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Government Publications



University Buildings Space/Cost Data

Capital Support Branch Ministry of Colleges and Universities Province of Ontario

May, 1972 General publications y





University Buildings Space/Cost Data

Capital Support Branch Ministry of Colleges and Universities Province of Ontario

May, 1972

RESEARCH TEAM

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NOTE: The Department of University Affairs became the Department of Colleges and Universities on October 1, 1971 and the Ministry of Colleges and Universities on April 1, 1972.

troduction

tis report is a record of cost, space and descriptive data for capital projects at intario's provincially assisted universities. The data include addition, completion, anovation, alteration and new building projects funded through the Ministry of bileges and Universities, formerly the Department of University Affairs, between 64 and August 1971. All data has been reported and validated by the institutions incerned and since all reporting has followed a uniform format, meaningful, evant comparisons and interpretations can be made.

ckground-funding and data gathering

September of 1964 enrolment in Ontario's universities totalled 44,852. Enrolent projections, however, indicated a 1970 enrolment of 112,000 and a 1975 rolment of 136,000. Prior to 1964, capital grants were made to the universities sed on building programs as presented by the universities to the Government ce a year. This procedure was discontinued in 1965 and a project by project proval system was begun. The approval process from the beginning put the eatest emphasis on an analysis of the building program. The universities were couraged to program carefully as it was felt that a clear enunciation of the need, e scope, the use, the degree of utilization and the proposed cost of a facility. ated to academic programs, existing facilities and building costs in general ould provide a responsible, yet streamlined approval process. In order to encourage iversities to exercise the necessary cost controls, it was decided that 15% of the proved cost of a project should be contributed by the university from its own nds and that the remaining 85% would be from Government sources. It was pected that the universities would make every attempt to preserve their funds for long as possible by economizing as much as possible. Unfortunately, this did not ove to be the case. Unit costs began an upward climb while universities' campaign nds dwindled. Expo 67, coupled with general affluence, across the board inflanary trends, high labour settlements and, in some instances, unbridled enthusiasm monumentalism among universities and their architects, all contributed to the th unit costs of 1966, 1967 and 1968. The introduction of the interim capital mula in the 1969-70 fiscal year coincided with, and probably contributed to, a elling off and, in some cases, a diminution of unit costs.

1968-69, the Government contribution to capital costs was raised to 95% and, in 70-71, to 100%. In the meantime, the approval process and reporting forms UACP is. 1 to 8 had been supplemented in 1967 by Supplements A, B, C and D. These ditional forms were designed so as (1) to require the universities to retain qualified

cost consultants who could be responsible for contributing creative *cost control* to the various projects, and (2) to provide a uniform and reliable reporting vehicle for unit building costs.

Data sources

The basic information presented in this report has been obtained for the most part from the UACP forms (University Affairs Capital Project) and their supplements used in the approval process. Copies of these forms are included in this publication. Space information is gathered initially from UACP Supplement A-Facility Analysis Detail—which is submitted with UACP No. 1—Request for Approval in Principle. The space is coded according to the Ontario Universities Physical Resources Survey. This space information, together with the cost information listed on UACP 1, along with the written programs, allows the Department to assess and analyze the request for approval against a background of existing facilities, unit costs, academic need, proposed utilization, and so on. Approval is given with the issuance of UACP 2-Approval in Principle. Receipt of UACP 2 is authorization for the universities to proceed with preliminary drawings. When this phase is completed, the university requests Tentative Approval by submitting UACP 3 and Supplement B-Project Cost Element Analysis and Supplement C-Project Description. Supplement B allows the Department to examine unit costs of building elements and to compare them to similar element costs for similar building types. Supplement C, the description, demands that the architects and engineers describe in some detail those elements which might not be too explicit on preliminary drawings—both to the Government and, more importantly, to the university.

Receipt of Tentative Approval—UACP 4—indicates that the preliminary drawings do reflect the original request for approval and that the cost appears satisfactory. The university now proceeds with working drawings and when they are complete, UACP 5—Request for Preliminary Approval—is submitted together with UACP Supplement B—Project Cost Element Analysis updated. Since both drawings and the supplements represent an updated stage in the project, they are examined as such and if satisfactory, a UACP 6—Preliminary Approval—is issued and the university puts the project out to tender.

When prices have been received, a UACP 7-Request for Final Approval—with UACP Supplement D-Project Cost Plan updated (tender information) is submitted. If the amounts are not substantially different from those already agreed to, Final Approval—UACP 8—is given. When the project is finished, a Supplement D-Final Cost Report—is submitted. It is the Supplement D (either tender or final) that provides the basic cost information in this publication. There follows UACP Nos. 1 to 8, together with a Definition of Terms and Supplements A to D for a project which went through all the stages mentioned above.

Definition of terms for UACP Supplements A, B, C and D

COLUMN HEADINGS-used on Project Cost Element Analysis Form

- (a) "Element" an element is defined as a major component common to most buildings, usually fulfilling the same function irrespective of its design, specification or construction. See also page 11.
- (b) "Quantities" deleted.
- (c) "Amount" is the estimated cost of a sub-element, based on latest known unit costs, excluding escalation allowances.
- (d) "Total" is the total cost of each element and the sum of the sub-elements.
- (e) "Rate" is the "Amount" reduced to the cost per square foot of Building Gross Area.
- (f) "Element as a percentage of the general contract" is the percentage of element when compared to the total estimated general contract amount—item 15.

GROSS AREA—is the total area measured flat on a plan for each floor from outside to outside of exterior walls. It includes the actual areas of balconies and mezzanines where these occur within the exterior walls of the building.

Floor areas of spaces extending through two or more floors shall be measured for the largest area at one level only. Such areas will *not* be factored as suggested by AIA, but the sums total should be identified, if significant, for assessment purposes.

It includes all floor areas that have a headroom of six (6) feet or more, penthouses, machine rooms, enclosed connecting links, rooms below grade or sidewalks, true areas of columns, dormers and the like, provided these extend vertically for the full floor height.

It excludes tunnels with less than 6'0" head room, exterior balconies, canopies, areaways, covered walkways, unenclosed exterior staircases and fire escapes, exterior steps and landings, patios, terraces, roof overhangs and cornices and enclosed areas without roofs.

NET AREA is the gross area less areas occupied by columns, exterior and interior walls, partitions, pipe chases, elevator and service shafts, chimneys and chutes,

service tunnels, and dog houses on roof. It includes areas required for service machinery and equipment, such as machine rooms, penthouses, kitchens, storagerooms and similar areas. It includes circulation areas of lobbies. The Departmer University Affairs does not require calculation of this area.

NET ASSIGNABLE AREA is the area which may be assigned to a specific acad administrative, or general university function. This area does not include circulation and general service areas, such as corridors, staircases, restrooms, wa rooms, janitors' closets, mechanical and electrical service rooms, building service staff facilities and general storage areas.

CLASSIFICATION OF PRINCIPAL USE OF SPACE

It is suggested that as a guide for consistent space use classification, the principuse be identified on UACP Supplement A by the code number established in the Technical Memo 0-402 of The Ontario Universities Physical Resources Survey Manual, prepared by Taylor, Lieberfeld and Heldman (Canada) Limited, dated February 5, 1968. This document has been distributed to all provincially assisted universities and should be available from their Physical Plant officers.

In the assessment of a request for financial assistance for a capital project for ac demic, administrative or general university function, the Department of Unive Affairs will evaluate proposed net assignable areas summarized under the follow categories, as shown on page 2 simplified for manual use, but as referenced in the Technical Memo referred to above.

The Supplement A form may be completed by either (a) entering in the column Principal Use of Space the classification name as shown on page 3, or (b) entering the equivalent code number. Normally each number represents the range of numbers from 10,000 to 19,999 as established in the Technical Memo.

Generally, the space or room requirements are organized in groups correspondit to the needs of a department or a functional unit. It is desirable that, where appeable, the use of office space within such a department or unit be further ident on Supplement A, as indicated in the enclosed Summary.

ELEMENTS-used on all Forms

An element is defined as a major component common to most buildings, usuall fulfilling the same function irrespective of its design, specification or construction Because it is difficult to make hard and fast rules to determine exactly the external exactly exact

each element for each case and for every type of building, the definitions given really definitions of principle; however, where any departure seems necessary ese shall be clearly stated.

l elements of cost analysis should be shown, but if no cost is attributable to an ment—'Nil' should be written in the cost column.

INDIRECT AND GENERAL EXPENSES

is element includes the contractor's indirect and general expenses:

Indirect and General Expenses

- 1. Access to site.
- 2. Site offices, storage sheds, latrines, canteens, etc.
- 3. Site office expenses—telephone, stationery, etc.
- 4. Hoardings and barricades.
- 5. Temporary steps, stairs, ladders, scaffolding, etc.
- 6. Building permit.
- 7. Bonds-performance and payment.
- 8. Insurance—fire, public liability, payroll.
- 9. Financing.
- 10. Plant and equipment.
- 11. Small tools.
- 12. Watching.
- 13. Final clean-up.
- 14. Restoring sidewalks, curbs, etc.
- 15. Supervision-superintendent, engineer, clerks, etc.
- 16. Travelling and board.
- 17. Double shifting and overtime.
- 18. Job signs.
- 19. Photographs.
- 20. Special consideration such as traffic control, road cleaning, etc.

Temporary Roads and Services

- 1. Temporary fire protection.
- 2. Temporary lighting, power and water.
- 3. Temporary roads and parking.

Winter Conditions

- 1. Winter heat and protection.
- Head Office overhead and profit.

2. SUBSTRUCTURE

(a) Normal Foundations—this element includes excavation and concrete and masonry for wall and column footings, column caps, grade beams, foundation walls and for weeping tile.

Items excluded: slab on grade, excavation for basements, basement walls and waterproofing, caissons and piles.

(b) Basement—this element includes the additional excavation and backfill required to construct a basement.

Items excluded: basement walls and waterproofing, etc.

(c) Special Foundations—this element includes caissons, piling, extra cost of excavating in rock, special shoring or dewatering, and other special foundation conditions.

3. HORIZONTAL STRUCTURAL ELEMENTS

(a) Slabs on Grade—this element includes the slab, fill under the slab, waterproofing and skim coat, or vapour barrier to the slab and small sump pits, construction, expansion and waterproof points.

Items excluded: final finish to the slab; machinery or boiler bases.

(b) Suspended Floor Slabs—this element includes columns, beams, slabs, floor joists and sub-floors, base plates, anchor bolts and fireproofing for all suspended floors.

Items excluded: floor finishes, ceiling finishes and columns, beams, slabs, etc. for the roof construction.

(c)Roof Construction—this element includes columns, beams, slabs copings, rafters, purling, trusses, roof boarding, roof lights, etc. for the roof construction.

Items excluded: roof finish, insulation, cant strips, flashings, roof drains, eavestrough and rainwater leaders.

(d) Roof Finish—this element includes the roof finish, insulation, cant strips, flashings, fascias, eaves, soffit, finish and barge boards.

4. EXTERIOR CLADDING

(a) Walls Below Grade—this element includes walls (reinforced concrete, brick, block, etc.) including waterproofing, insulation and integral pilasters.

Items excluded: wall and dado finishes, panelling, etc.) to the interior face of the wall.

(b) Walls above Grade—this element includes all the wood, stone precast concrete, marble, facebrick, etc., and brick, block, tile or concrete backup, insulation, vapour barriers, strapping, dampproof courses, construction and expansion joints and any applied finishes to external exposed concrete, wood, parapet walls above roof line, etc. This element includes items associated with window openings, viz., lintels to support walls above, dampproof courses, caulking, ornamental exterior treatment.

Items excluded: all finishes (plaster, paint, panelling, etc.) to the interior face of the wall.

(c) Windows—this element includes aluminum, steel, wood, frames, sash and glazing, hardware, mullions, transoms, sills, flyscreens, storm windows.

Items excluded: venetian blinds or sunshades, valences, curtain tracks, curtains.

(d) Exterior Doors, Entrances & Screens—this element includes wood, hollow metal, Kalamein, steel, bronze, aluminum and glass doors, roll-up shutters, revolving doors, metal and wood frames, sub-frames and sills, lintels, dampproof courses, precast concrete, stone, etc., surrounds, flyscreen and storm doors, decorations, caulking and special electric or hand-operated opening devices.

This element also includes all store fronts, glazed screens, decorative and functional screens and louvres, doors, subframes, sills, lintels, dampproof courses, concrete stone, etc., surrounds, decorations and caulking.

- (e) *Projections*, *Balconies*, *etc.*—this element includes any item which, because of its existence, increases the area and cost of the exterior cladding. Examples are:
- (i) Overhangs. If one floor projects beyond the floor below it the exposed ceiling (but not the floor slab) will be included in this element.
- (ii) Balconies. Projecting balconies will be included in their entirety. Recessed balconies will include the cost of the balcony railing and the floor and ceiling

finsihes to the balcony (not the building wall or floor slabs).

(iii) Fixed and movable sunshades.

As it is often difficult to distinguish between walls, doors, windows and screens in the case of curtain walls, the above is given as a guide. Certain elements may to be combined to avoid entirely arbitrary divisions.

5. INTERIOR VERTICAL ELEMENTS

(a) Permanent Partitions and Doors—this element includes wood or metal studs clay tile, concrete block, poured concrete, plasterboard and drywall systems, to partitions, and all interior doors, together with vault doors, soundproof, refriger tion, and fire doors found in permanent partitions, and the finishes to the doors. Includes structural columns and furring.

Items excluded: All finishes (plaster, paint, panelling, etc.) to the partitions.

- (b) Demountable Partitions and Doors—this element includes all demountable partitions whether metal or wood, glazed or unglazed, including doors and finishes
- (c) Glazed Partitions and Doors—this element includes all permanent interior gladividing partitions and doors (such as at main entrances, forming vestibules), and borrowed lights.

Items excluded: exterior screens and doors.

(d) Folding Doors and Sliding Partitions—this element includes folding or rollin doors, screens and partitions that slide.

6. MULTI-STOREY ELEMENTS

- (a) Stairs, Steps and Ladders—this element includes all the treads, risers, stringe landings, supporting framework, balustrades, handrails, soffit finishes, steps and ladders.
- (b) Chutes, Prefabricated Chimneys
- (c) Catwalks—this element includes service platforms, ladders, handrails, catwal usually associated with laboratory buildings.

) *Elevators*—this element includes all the passenger and freight elevators and pists, escalators, entrances, cars, guides, machinery and general contractors' work provide bases, sumps, fixings, etc.

INTERIOR FINISHES

-) Floor Finishes—this element includes all floor finishes together with bases, curbs, at sinkages, frames and mats.
-) Ceiling Finishes—this element includes all ceiling finishes, together with cornices. ems excluded: Special illuminated or heated ceilings, valance boxes.
-) Wall Finishes—this element includes all applied finishes to walls and partitions. 2ms excluded: Walls which are self-finished, when part of Element 5.
-) Special Finishes—this element includes such finishes as cork insulation for frigerators, lead lining for x-ray rooms, special murals and similar unusual floor, illing and wall finishes.

ms excluded: prefabricated cold and refrigerated rooms, sound chambers, etc.

FITTINGS, FURNISHINGS AND BUILDING EQUIPMENT

-) Building Equipment—this element includes all special general service equipment on-instructional) which may be supplied under the general contract, such as tchen equipment, pneumatic tube despatch system, stage, swimming pool or undry equipment, etc. List items and amounts in Supplement C.
- Built-in Furniture—(non-instructional)—this element includes all fittings and mishings normally supplied under the general contract, such as: cupboards, punters, benches, shelving, mirrors, washroom accessories, sculptures, planting exes, magazine and record racks, tackboards and pinboards, etc., not used for aching purposes.
-) Built-in Furniture—(instructional)—this element includes all fittings and furnishgs normally supplied under the general contract, as in 8 (b), but is for teaching or search purposes and includes chalkboards, projection screens, built-in seats, etc.
- Built-in Equipment—(instructional)
- Supplied and Installed—this element includes all scientific equipment for teaching research which the university decides shall be purchased and installed under the

general contract. (This equipment generally includes such equipment which requires special bases, anchoring, permanent services and/or building into the building fabric.)

- Installed Only—(purchased by university)—this element includes the installation only of either existing or new equipment. Generally such equipment requires special bases, anchoring to or building into the building fabric or connecting to permanent services.

9. CASH ALLOWANCES

This element includes all cash allowances which are normally stated in the specification and which cannot be allocated to any specific element. These might include: Critical Path, Testing and Inspection of Materials, Finishing Hardware, Laboratory Furniture, etc.

Design Contingency and Escalation Allowances never shall be combined. Depending on completeness of preliminary drawings and accuracy of estimates, the Design Contingency should not exceed five per cent of the sum of all estimated items. If Escalation Allowance is included—describe rates in Supplement C.

10. ALTERATIONS AND RENOVATIONS

This element includes any *items carried in the general contract* of renovations and/or alterations in an existing building caused by erecting the new building next to it. If an existing building requires major alterations a separate estimate should be made for it. Where demolition of an existing structure or significant part of it is carried out by a separate contractor, carry this item in 11 (a).

11. SITE DEVELOPMENT

This element includes all work and services outside the building proper. Include this estimate as Element 11 if part of the General Contractor's work. If the work is not part of the General Contract, include estimate as Element 17.

- (a) *Demolitions, Site Preparation, Drainage*—this element includes demolition of existing buildings or structures, grubbing, clearing and rough grading site for land-scaping, roads and walks.
- (b) *Utilities*—this element includes utility, energy and fire protection services for site distribution and for distribution to the face of the building.

- (c) *Utility Tunnels*—this element includes excavation, backfill and construction of tunnels on campus site. Where tunnels are constructed as part of the building, include estimate in 3(a), but state estimated amount in 11(c) in Supplement C.
- (d) Roads and Parking Areas—this element includes all roads and parking lot construction, curbs, bumpers and pavement finishes. Show cost of temporary roads and parking areas in Supplement C.
- (e) *Pedestrian Walks*, *Steps*, *Stairs*—this includes all pedestrian walks, steps, stairs, handrails, paved terraces, pavement finishes if over roofs, etc.

Exclude: walls not associated with above and street furniture.

- (f) Exterior Illumination—this element includes all exterior building and campus illumination for walks, roads and parking areas.
- (g) Furniture—This element includes all street furniture, such as benches, signs, sculptures, decorative flower pots, fountains, etc.
- (h) Ancillary Structures, Fences, etc.—this element includes fences, gates, small service and equipment buildings, functional and decorative retaining walls, functional ponds, covered walks and canopies, small bridges, etc.
- (i) Landscaping—this element includes final grading, seeding, sodding, planting, embankment construction, etc. State approximate areas in square feet.

Exclude: concrete retaining walls.

12. PLUMBING AND DRAINS

- (a) Plumbing & Drains, Roughing-in—this element includes all storm, sanitary, and hot and cold water piping systems within the exterior building walls.
- (b) Plumbing Fixtures & Hardware—this element includes all finished plumbing such as water closet bowls, basins, sinks, plumbing hardware, etc. Do not duplicate estimates for laboratory fittings, if carried elsewhere.
- (c) Fire Protection—this element includes standpipe, fire hose cabinets and sprinkler system within the building.

Exclude: fire alarm system, if carried in Element 14 (g).

(d) Special Services System—this element includes the various special plumbing systems, such as glass, and resistant waste, ionized water, liquid soap, waste neutralization facilities, etc.

13. HEATING, VENTILATING, AIR CONDITIONING

- (a) Indirect Expenses, Overhead & Profit for the General Mechanical Subcontract—this element includes all indirect site and general expenses, supervision, coordination, expediting, etc., and head office overhead and profit. Include here a for Element 12.
- (b) Heating System—this element includes all the supply and return piping, insution, hangers, fittings, valves, radiators, convectors, etc., required to radiate or absorb heat.
- (c) Air Conditioning—this element includes all plant or elements necessary to privide chilling and humidity adjustment to the environment of the building. It includes all applicable insulation to ducts.
- (d) Ventilation System—this element includes all the ductwork, fans, coils, dam grilles, cold weather and acoustic insulation, hangers, concrete basis, anti-vibration pads, etc.
- (e) Controls—this element includes all the automatic controls to regulate the raction, ventilation and air conditioning systems.
- (f) *Plant*—this element includes the heating plant and all the accessory equipment when located in the building.
- (g) Special Systems—this element includes the compressed air, vacuum, oxygen other gas and special facility distribution systems.

14. ELECTRICAL

- (a) Indirect Expenses, Overhead & Profit for the General Electrical Subcontract this element includes all indirect site and general expenses, supervision, co-ordice expediting, etc., and head office overhead and profit.
- (b) Transformers & Main Distribution—this element includes the primary and so ary transformers and the distribution system to power service switches.

) Power and Lighting Distribution—this element includes the power and lighting stribution systems, panels, receptacles and outlets.

) Lighting Fixtures—this element includes all lighting fixtures and tubes as pplied.

) *Underfloor Duct Systems*—this element includes the complete underfloor duct stems for power, telephone, P.A., T.V.

sclude: cellular decks that are included in 3(b).

T.V. Systems & Equipment—this element includes antennas, towers, wiring and adio equipment for closed or open T.V. reception, monitoring or production, but wes not include equipment used for T.V. instruction.

kclude: conduit, if carried in (e) or (g).

Special Services—this item includes all special services such as: wiring and equipment as appropriate for P.A., telephones, radio, fire alarm, emergency lighting, concitions for kitchen, laboratory and other special teaching and research equipment, age lighting, doctors' and nurses' call systems, intercom, central dictaphone, autoratic electric locks, provision for future expansion, etc.

sclude: conduit, if carried in (e) or (f).

GENERAL CONTRACT

is element represents the total budget of the completed General Contract.

5. FEDERAL TAX REBATE

his element indicates the amount of sales tax that will be recovered from the ederal Government. At present it is estimated to be four per cent of Element 15: General Contract tender or estimate.

SITE DEVELOPMENT

his element shall be completed for projects where site work is done outside the eneral Trades contract and yet considered to be part of this project.

The arrangement of this element is identical to Element 11 (a) to (i). Please follow its sequence. The Design Fees shall be carried in 19 (b).

18. TOTAL CONSTRUCTION COSTS

This item represents the sum of Elements 15 and 17, and does include the Federal Sales Tax.

19. RELATED BUILDING COSTS

- (a) Architect's & Engineer's Fees—indicate rates or estimated amounts for each individual contract with the Institution.
- (b) Specialty Consultant's Fees—indicate rates or estimated amounts for each individual contract with the Institution.
- (c) Tests, Surveys, Site Representative—this element includes soil and topographical surveys, special investigations, clerk of works or site representative; material and systems tests, if not included in the General Contract.
- (d) Miscellaneous and Administrative—this element includes items that cannot be assigned to a, b, c or d, and yet are known costs.
- (e) General Contingency—the amount of this element varies. It is hoped that careful and responsible cost planning will maintain this amount to be less than three per cent of the estimated construction costs. In the Final Cost Report, any unexpended amounts should be shown here.

20. TOTAL BUILDING COST

This element represents the final costs of the General Contract and the Design and Administration expenses.

21. FURNITURE, FURNISHINGS AND OFFICE EQUIPMENT

This element includes all basic furniture, furnishings and office equipment. These items are normally supplied and installed by the Institution and should not be part of the general contract.

- (a) Floor Coverings—this element includes broadloom, carpets, etc., that are considered floor finishes in 7(a), but were not included there. It does not include loose carpets, etc., placed over finished floors.
- (b) Blinds, Black-out Services—this element includes venetian blinds, blinds, curtains, curtain tracks, etc., installed for functional and not decorative purposes.
- (c) Furniture, Furnishings, Fixtures—this element includes desks, tables, chairs, bookcases, drapes, loose earpets, etc., necessary for occupancy and operation of spaces by users. Include here Maintenance Equipment.
- (d) Office Equipment—this element includes all operational manufactured equipment, which requires periodic maintenance, e.g., filing cabinets, typewriters, calculators, dictaphones, computers, (unless used for scientific purposes), etc.

22. EQUIPMENT

This element includes all non-fixed basic *instructional and scientific* equipment necessary for the initial equipping of a newly constructed, and/or renovated space. Include all built-in or fixed equipment that has not been included in Element 8 item D of the Supplement B.

Individual equipment costing more than \$10,000 and/or requiring special space or service considerations should be listed and identified in Supplement A, but not later than in Supplement C.

In item (c) Element 22—Research Equipment—identify and relate to functional areas specific "project oriented research equipment" and "community or non-university service equipment". Where the equipment is required for teaching, research and community service purposes, prorate and state the utilization percentage in Supplement C. Ignore research and service components if less than 10%.

Kitchen, cafeteria, gymnasium, etc., equipment are considered building equipment as per item (a) Element 8.

23. TOTAL PROJECT COST

This element represents the total planned cost of a completed project. It may not agree with the Estimated Total Formula Expenditure as calculated by the Department of University Affairs.



Director of Architectural Services Department of University Affairs 481 University Avenue Toronto 2, Ontario

Dear Sire

APPROVAL IN PRINCIPLE for financial assistance is requested for:



| Un | versity of Ottawa |
|-----|---|
| Co | pital Project No |
| Na | me of Capital Project Law Building |
| Loc | witon South West Corner of Cumberland and Laurier Avenue |
| The | s Project Category is: |
| Ac | quieltion Renovation and Alteration Addition New Construction X |
| The | following estimated total net assignable areas will be: |
| de | molished renovated added 112,156 sq. ft. |

The Estimated Total Expenditure is:

| Item | Estimated Amount | For Department Use |
|---|------------------|--------------------|
| Land (if an acquisition project) | \$ | |
| Building | \$ 5.352,915 | |
| Site Developments, Utilities | \$ 360,800 | |
| Fees & Related Building Costs | \$ 478,764 | 1 |
| Furniture & Furnishings | \$ 720,711 | |
| Equipment | \$ 122,400 | |
| Subtotal 3% of total costs | \$ 7,035,590 | |
| Less Refundable Taxes (except fees & re- | | |
| lated Building Costs) Total Estimated Expenditure | \$ 6,838,885 | |

(continued on page 2)

| | Request For APPROVAL IN PRINCIPLE |
|---|--|
| | |
| PROPOSED METHOD OF FINANCING: | |
| Provincial & Federal Sources (specify) (a) The Ontario Universities Capital Aid Corporation - 95% | \$ 6,496,940 |
| (b) The Health Sciences Vote | \$ |
| (c) Established Credit with The O.U.C.A.C. | \$ 341,945 |
| (d) (e) | \$ |
| 2 Harrison of Compatherstown | |
| 2. University's Contribution (a) Own resources | \$ |
| (b) | \$ |
| (ε) | \$ |
| TOTAL | \$ 6,838,885 |
| OTHER FINANCIAL DATA: | |
| Total Capital Funds on Hand, not presently committed | \$. |
| BUILDING PROGRAM: | |
| I attach the following: 1. "The Building Program and Brief to the Architect" which contains a fu | all description of the project under |
| I attach the following: 1. "The Building Program and Brief to the Architect" which contains a fu- various headings, including the following: | all description of the project under |
| attach the following: "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General | ill description of the project under |
| attach the following: "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General (b) Need for Project | ill description of the project under |
| 1 attach the following: 1. "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations | ill description of the project under |
| attach the following: "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate | |
| attach the following: "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing Facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities | |
| I attach the following: 1. "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing Facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies | |
| l attach the following: 1. "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing Facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule | d on the Master Plan |
| l attach the following: 1. "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost; Element an | d on the Master Plan |
| l attach the following: 1. "The Building Program and Brief to the Architect" which contains a for various headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing Facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost: Element an | d on the Master Plan . d Unit prive method ! |
| l attach the following: 1. "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Facilities (h) Planning and Construction Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost: Element an (j) Names of Comparative Buildings used as Cost References qua | d on the Master Plan . d Unit prive method ! |
| l attach the following: 1. "The Building Program and Brief to the Architect" which contains a fuvarious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing Facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost: Element an (j) Names of Comparative Buildings used as Cost References qua 2. A *completed copy of UACP Supplement A Facilities Analysis | d on the Master Plan . d Unit prive method l |
| 1 attach the following: 1. "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost: Element an (j) Names of Comparative Buildings used as Cost References qua 2. A completed copy of UACP Supplement A — Facilities Analysis 3. Plot Plan indicating Project Location | d on the Master Plan . d Unit prive method l |
| 1 attach the following: 1. "The Building Program and Brief to the Architect" which contains a favorious headings, including the following: (a) General (b) Need for Project (c) Academic Considerations (d) Existing facilities and Architectural Considerations (e) Relationship to Master Plan and Site Criteria as indicate (f) Summary of Facilities (g) Summary of Space Utilization Studies (h) Planning and Construction Schedule (i) Method employed to estimate Construction Cost: Element an (j) Names of Comparative Buildings used as Cost References qua 2. A completed copy of UACP Supplement A — Facilities Analysis 3. Plot Plan indicating Project Location | d on the Master Plan . d Unit prive method l |

Assistant Vice-Rector

| | | | | | | | | | | | | | , O. | | ONTANIO |
|--------------|---|------------------|-----------------|-----------------|----------------------------|-----------------|------------------------|--------------------------|------------------------|------------------------|---|---------------------------|--------------------------|-----------------|---|
| | | Classrooms will | Library Process | # ed: a Storage | Reader Aid | Library Reading | Lounge and Activity | Conference Facilities | Student Enterprises | Academic or Faculty | Office Areas | Classrooms & | SPACE | | DEPARTMENT OF UNIVERSITY OFFICES |
| C/F OR TOTAL | | be used by | 000 44 | 43,000 | 42,000 | 41,000 | 75,000 | 38,000 | 30,0008 | 30,000F | | 20,000 | OF SPACE | 1102 | AUC 7 1969 |
| 112,156 | , | other Faculties. | 6,900 | 19,600 | ಎ + - - - - | 19,800 | 5,300 | 1,640 | 1,280 | 25,940 | | 25,540 | ASSIGNABLE AREA | NET . | 1 |
| | | to to | | | | . 675 | | • | | 178 | | 1,515 | STATIONS OR OCCUPANTS | NUMBER OF | UACP SUPPLEMENT A |
| | | SULPHIA APPARAGE | Aug. | | | N 00 | | 6. | | 145.7 | | 16.8 | STATION | AREA | > 5 |
| | | | | | | 54 | | | | | | 45 | USA PAR | HOURS OF | |
| | | | , | | errer du de valen | 80% | | | | * | | 90 03 | WHEN ROOM IS | % STUD. STNS. | UNIVERSITY AND PROJECT NAME University of Ottawa Law Building PAGE 1 OF 1 |
| | | ŧ | | | | * | | | | | | See | FURNISHINGS | ESTIMAT | of Ottawa |
| | | 4,00 | | | | | | | | | () () () () () () () () () () | See See attached attached | EQUIPMENT | ESTIMATED COSTS | O NE |



DEPARTMENT

UNIVERSITY AFFAIRS

ARCHITECTURAL SERVICES 481 UNIVERSITY AVENUE TORONTO 2, ONTARIO

Mr. J. McCarthy, Assistant Vice-Rector, University of Ottawa, Ottawa, Ontario,

Dear Sire RE: University.

UNIVERSITY OF OTTAWA

Capital Project No.

Name of Capital Project..... LAW BUILDING - 1969

University Project No.

Total Expenditure as Estimated by University

\$ 5,700,000

U.A.C.P. 3 APPROVAL IN PRINCI

Probable Limit of Estimated Total Expenditure that may qualify for financial assistance through The Ontario Universities Capital Aid Corporation

\$ 5,700,000

APPROVAL IN PRINCIPLE FOR PURPOSES OF FINANCIAL ASSISTANCE IS GIVEN FOR THIS PROJECT, SUBJECT 1 THE FOLLOWING CONDITIONS AND COMMENTS:

- That the total amount of financial assistance to be provided through The Ontario Universities Capital Aid Concration and/or as noted below will be determined when a contract price has been received.
- 2. That the University has a clear title to the site.
- 3. That the form UACP 3 requesting TENTATIVE APPROVAL for financial assistance will be submitted to the Director of Architectural Services, Department of University Affairs.
- 4. That the following will accompany your next applications
 - (a) one set of finalized preliminary drawings (date of issue to agree with form UACP 3);
- (b) Completed UACP Supplement B Project Cost Element Analysis, or equal.
- (c) UACP Supplement C Project Description, or equal.
- (d) Revised UACP Supplement A Facilities Analysis, when there are significant changes in space requirements and/or in the estimates for Furniture, Furnishings and Equipment.
- 5. That the preliminary drawings have received preliminary approval from the Ontario Fire Marshal.
- That advances from The Ontario Universities Capital Aid Corporation may be requested from the Director
 Finance in the amount not exceeding five per cent of the probable limit of the total expenditures as ea mated by the Department.

when UACP 3 is submitted,

COMMENTS:

CC: Fire Marshal,

This approval is given on the understanding that the University must be entitled to a cumulative cast flaw sufficient to meet expenditures for this project in the fiscal year that funds are required and that such funds

shall be limited to the total amount made available by Treasury in that year. CENTRAL FILE Please include a proposed cash flow for this project

1st September, 1970.

Dafe



DEPARTMENT OF UNIVERSITY AFFAIRS ARCHITECTURAL SERVICES

5 - 68 U.A.C.P. 3 TENTATIVE APPROVAL

Director of Architectural Services Department of University Affairs 481 University Avenue Toronto 2, Ontario

Dear Sir: TENTATIVE APPROVAL for financial assistance is requested for: University of Ottawa Capital Project No.... Law Building Name of Capital Project... University Project No.... Requested in This Request CALCULATION OF FORMULA PROJECT COST U.A.C.P. 1 U.A.C.P. 3 Total net assignable area in square feet (as revised) 96,553 99,610 Total remaining area in square feet 48.310 Total grass area in square feet 147,920 Project Cost per square foot of gross area (Item 23, Supplement B) 38.53 I. Construction Cost (Item 18, Supplement 8) \$ 4,723,483 II. Less Refundable Taxes 134,973 III. Not Construction Cost (Item 18 Supplement B) \$ 4,588,510 IV. Architect's and Consultant's Fees (7 % of Item III) 321.196 V. Contingencies (3% of Item III) 137,655 VI. Furniture & Fixtures (Item 21, Supplement B) \$ 554,000 VII. Equipment (Item 22, Supplement 6) \$ 102,000 ESTIMATED TOTAL FORMULA EXPENDITURE \$ 5,703,361 Probable Limit of Estimated Total Expenditure that may qualify for financial assistance through The Ontario Universities Capital
Aid Corporation, as indicated in Form UACP 2. \$ 5,700,000 (continued on page 2)

| 0 | (2) | | U.A.C.P. 3 Request For TENTATIVE APPROVAL |
|---|--|------------------------------|---|
| | FACILITIES DESIGN | | |
| | In support of this application I am forwarding the following: | | |
| | Item | Enclosed | Under Separate Cover |
| | 1. One set of mandhadquehadamyadamatamat Design folio | x | |
| | 2. Completed UACP Supplement B, or equal | X | |
| | 3. Completed UACP Supplement C, or equal | X | |
| | A copy of a letter of Preliminary Approval of preliminary drawings from the Ontario Fire Marshal (dated when not attache | | |
| | The names of the Design Consultants are: | | |
| | Architect: Adamson & Associates Structural Engineering: "" Mechanical Engineering: J.L. Richards & Associates Electrical Engineering: "" Others: Landscaping: D.W. Graham & Associates | | |
| | COMMENTS: | Juckan Expenses of Astron | A of Fried Official |
| | November 9, 1970. | sistant Vice- | -Rector |
| | | | |

DEPARTMENT OF UNIVERSITY AFFAIRS

CTURAL SERVICES

@APR. 1968

PROJECT No. OT 49 UNIVERSITY & PROJECT NAME: UNIVERSITY OF OTTAWA LAW BUILDING

PROJECT COST ELEMENT ANALYSIS UACP SUPPLEMENT B

O DE READ WITH WACP SUPPLEMENT C - PROJECT DESCRIPTION

| A SELEMENT | AMOUNT | TOTAL COST | E RATE cost/cross | OF ITEM |
|--|----------|---------------|-------------------------|--|
| INDIRECT AND GENERAL EXPENSES TOTAL | | 536,100 | 3.55 | 16.8 |
| (A) INDIRECT AND GENERAL EXPENSES | 267,400 | | 1.77 | |
| (A) TEMPORARY SERVICES AND ROADS | 58,300 | Ī | .39 | } |
| IC) WINTER CONDITIONS | 70,800 | | .47 | |
| (D) HEAD OFFICE OVERHEAD AND PROFIT | 139,600 | | .92 |] |
| And the second s | | | | |
| SUBSTRUCTURE | | 196,400 | 1.30 | 6. |
| A. NORMAL FOUNDATIONS | 56,000 | | .37 | |
| (B) BASEMENT EXCAVATIONS | 22,600 | | .15 | |
| (C) SPECIAL FOUNDATIONS | 117,800 | | ,78 | |
| | | | | |
| HORIZONTAL STRUCTURAL ELEMENTS TOTAL | | 931,500 | 6.17 | 29. |
| (A) SLADS ON GRADE | 46,500 | | .31 | |
| (8) SUSPENDED FLOOR SLABS | 625,900 | | 4.14 | |
| (C) ROOF CONSTRUCTION | 188,900 | | 1,25 | |
| (D) ROOF FINISH AND INSULATION | 70,200 | | ,47 | |
| And the state of t | | | | |
| EXTERIOR CLADDING TOTAL | | 394,200 | 2.61 | 12 |
| (A) WALLS BELOW GRADE | 50,700 | | .34 | 1 |
| B. WALLS ABOVE GRADE | 161,800 | | 1.07 | |
| C. WINDOWS ONLY | 143,600 | | .95 | 4 |
| D' EXTERIOR DOORS ENTRANCES & SCREENS | 4,900 | | .03 | _ |
| E PROJECTIONS BALCONIES ETC | 33,200 | | .22 | - |
| | | | 1 | - |
| INTERIOR VERTICAL ELEMENTS TOTAL | | 369,200 | 2.45 | 111 |
| (A) PERMANENT PARTITIONS AND DOORS | 278,700 | | 1.85 | 4 |
| TE DEMOUNTABLE PARTITIONS AND DOORS | - | | | 4 |
| CI GLAZED PARTITIONS AND DOORS | 29,700 | | .20 | 4 |
| D. FOLDING OR SLIDING PARTITIONS | 60,800 | | .40 | |
| MULTI-STOREY ELEMENTS TOTAL | | 101,100 | + .67 | 3 |
| -A. STAIRS, STEPS LADDERS | 32,800 | | .22 | |
| IB: CHUTES | | | - | |
| C: CATWALKS GRATING | - | | | |
| DE ELEVATORS ESCALATORS HOISTS | 68,300 | | .45 | - |
| | | | | |
| 7. INTERIOR FINISHES TOTAL | | 419,400 | 2.78 | 13 |
| · A PLOORS & BASE | 224,400 | | 1.49 | |
| ·B· CEILINGS | 118,900 | | .79 | |
| (C) WALLS | 76,100 | | .50 | |
| D. SPECIAL PINISHES | | | | |
| (CI) EXTERIOR CLADDING X 1 INTERIOR PARTITIONS X 2 RATIO == | | | | and the same of th |
| B. FITTINGS, FIXTURES AND EQUIPMENT TOTAL | | 167,600 | 1.11 | 5 |
| A) BUILDING SOUIPMENT | | AVILOUV | | |
| : B: BUILT-IN FURNITURE AND FIXTURES | 167,600 | | 1,11 | |
| C) BUILT-IN FURNITURE INSTRUCTIONAL | 701,1000 | | 4:44 | - |
| D BUILT-IN EQUIPMENT, INSTRUCTIONAL | 946 | | | |
| TO THE PARTY OF TH | | | | |
| | , e | | 1 | |

UACP - SUPPLEMENT B

PROJECT No. OT 49

OF ITES RATE COST/GROSS AMOUNT TOTAL COST S ELEMENT 20.64 3,115,500 9. CASH ALLOWANCES 67,000 .29 A. HARDWARE 44,000 .10 15,000 -81 Graphics .01 2,000 Check Alt. Piling .02 3,000 Ottawa Hydro 102 3,000 · E' XXXXXXXXXX Acoustic Allowance 9.000 .06 10 ALTERATIONS AND RENOVATIONS 11 SITE DEVELOPMENT (PART OF GEN CONTRACT) TOTAL 61.800 .06 A DEMOLITIONS SITE PREPARATION DRAINAGE 9,000 B) UTILITIES INCLUDE MECH & ELEC SITEWORK C. UTILITY TUNNELS D) ROADS AND PARKING AREAS E) PEDESTRIAN WALKS STEPS F EXTERIOR ILLUMINATION (G) FURNITURE HI ANCILLARY STRUCTURES FENCES ETC 6,000 .04 .31 II LANDSCAPING 46,800 140,000 12 PLUMBING AND DRAINS AT PLUMBING AND DRAINS, ROUGHING-IN .47 70,000 B: PLUMBING FIXTURES AND HARDWARE .33 50,000 C. FIRE PROTECTION .13 20,000 D) SPECIAL SERVICES SYSTEMS 4,48 676,650 13 HEATING, VENTILATING, AIR CONDITIONING A INDIRECT SITE EXPENSES. OH & P . FOR 18 AND 13) 110,000 .73 1.26 18 HEATING SYSTEM 190,000 2.02 C) AIR CONDITIONING 305,000 .09 OI VENTILATION SYSTEM .38 56,650 E CONTROLS IF) PLANT (G) SPECIAL SYSTEMS 3.55 14 ELECTRICAL 536.050 .56 A. INDIRECT SITE EXPENSES OH & P 85,050 B) TRANSFORMERS AND MAIN DISTRIBUTION 35,000 .23 C. POWER AND LIGHTING DISTRIBUTION .71 107,000 1.45 O LIGHTING FIXTURES 219,000 .E. UNDERFLOOR DUCT SYSTEMS F. TV SYSTEMS ,24 36,000 G . SPECIAL SERVICES 54,000 .36 15 GENERAL CONTRACT 4,606,000 30.51 (.91) (138, 180) 16 FEDERAL TAX REBATE . 3 % OF 15 LEGS TO THE 4,467,820 29.60 C. F

| | | | , | | | |
|------|---|--|---|---|--|-------|
| | * ELEMENT | • | c AMOUNT \$ | TOTAL COST | RATE COST/OROSS SF | pr pr |
| | | | C/F | 4,419,927 | 29.88 | * |
| | CITE DEVEL ORMENT | | | 160 502 | 1.14 | |
| 17 | SITE DEVELOPMENT (NOT IN GEN CONTRACT) TOTAL | | 87,000 | 168,583 | .59 | |
| | . A. DEMOLITIONS SITE PREPARATION, DRAINAGE | | 17,000 | | .12 | |
| | IC: UTILITY TUNNELS | | 17,000 | | 144 | |
| | D. ROADS AND PARKING AREAS | | 11,000 | | .07 | |
| - | · E · PEDESTRIAN WALKS STEPS | | 28,000 | | .19 | |
| - | FF EXTERIOR ILLUMINATION | | 20,000 | | *** | |
| | G. FURNITURE | | 9,583 | | .06 | |
| | IN: ANGILLARY STRUCTURES FENCES, ETC. | | 3,300 | | | |
| - | II LANDSCAPING | | 16,000 | | .11 | |
| | | MARKAL PROPERTY AND ADDRESS OF THE PARTY OF | | | AND DESCRIPTION OF THE PARTY OF | |
| 18. | TOTAL CONSTRUCTION COSTS TOTAL | | | 4,588,510 | 31.02 | |
| 19 | RELATED BUILDING COSTS TOTAL | | | 455,490 | 3.08 | |
| | A ARCHITECTS AND CONSULTANTS FEES | | 318,840 | 1001100 | 2.16 | |
| | . 8: SPECIALTY CONSULTANTS FEES | 7 | 10,000 | | .07 | |
| - | C: TESTS SURVEYS SITE REPRESENTATIVE | 5 | 49,000 | | .33 | |
| 1000 | D: MISCELLANEOUS AND ADMINISTRATIVE | > | 24,000 | | .16 | |
| - | EI GENERAL CONTINGENCY | | 53,650 | | ,36 | |
| _ | | | | | Contraction of the Contraction | |
| | TOTAL BUILDING COSTS TOTAL | | | 5,044,000 | 34,10 | |
| 21 | FURNITURE, FURNISHINGS AND OFFICE EQUIPMENT TOTAL | | | 554,000 | 3.74 | |
| | A FLOOR COVERINGS | | | | | |
| | · 8· SLINDS | | | | | |
| | C: FURNITURE FURNISHINGS FIXTURES | | *************************************** | | | |
| | D. OFFICE EQUIPMENT | | | | | |
| 22 | EQUIPMENT TOTAL | | | 102,000 | .69 | |
| | · A · TEACHING | | | | | |
| | · B · RESEARCH | | | | | |
| | | | | AND THE PERSON NAMED IN COLUMN TWO IS NOT | | |
| 23 | TOTAL PROJECT COST TOTAL | The second secon | | 5,700,000 | 38,53 | |
| | REMARKS GROSS FLOOR AREA: | | NET ASSIGNAB | LE FLOOR AREA | | |
| | 147,920 sq. ft. | / | 95.510 89. | 6+ . | | |
| | 147,520 #g. It. | (- | ン | • • • | | |
| | \$59.00 | 9 | 66)517 | | | |
| | | | | | | |

(3)

UACE - SUPPLEMENT B

PROJECT No.___

OT-49



April, 1968

Proper No. OT 49

Mohrershy & Proper Name

Law Building

University of Ottawa

PROJECT DESCRIPTION

. UACP SUPPLEMENT C

For definitions of terms and scope of work included in each Element, please refer to "Definition of Terms for UACP Supplements" as issued by the Department of University Affairs, April, 1968.

The summary of estimated project costs shall be recorded on UACP Supplement B, titled PROJECT COST ELE-MENT ANALYSIS (blue). Subsequent submissions to this Department are to be made on UACP Supplement B (pink) and then on UACP Supplement D – PROJECT COST PLAN/FINAL COST REPORT, which is cross-referenced to Supplement B.

| DEVERAG | at | | | | |
|---|---|--------------------|------------------|-----------------------|------------------|
| Net assignable floor area | : 96,610 | | Not assi | gnable floor area | 96,610 65. |
| Gross Floor area | : 147,920 | | gro | es floor area | 147,920 |
| Proposed start of construction | m: Sept. 1, | 1971 | I | ength of construction | ma: 20 months |
| Renovation and Altera | tion | Ad | dition | x | New Construction |
| Indicate basic purpose of buil | ding, number of s | stories, provision | s for future exp | pansion, etc. | |
| - Acad - Admi | ure facilitie emic Offices. nistration. Library. | | | | |
| 5 storeys ≠ mechanica No plan for future ex | | | | | |
| | | | | | |
| Number of occupant stations in building at capacity: | Undergraduate | and/or G | raduates Fa | culty Others | Total |
| | 1713 | | 28 8 | 4 73 | 1879 |

B. BUILDING: GENERAL CONTRACT

- 1. INDIRECT & GENERAL EXPENSES Note imusual items
- a) Delay in construction of bridges over College Street until University assumes ownership of street (antipated Sept. 1, 1972).
- b) Third Floor system of public corridors, part of campus pedestrian elevated "way", beyond area required for internal building communications.

2. SUBSTRUCTURE: Describe briefly unusual foundation conditions, dewatering, shoring, blasting, etc. State excavation and backfill quantities, soil bearing capacity and average ground water levels.

First floor elevation 227'-0". The proposed foundations consist of 16 diameter. Franki Type Piles, bearing on bedrock and each having a capacity of 350 kips. Groundwater levels observed in bore holes vary from elev. 200 to elev. 206. A medium stiff to soft layer of clay, about 30' thick and about 12' below existing grade makes it impossible to use footings for supporting the column loads. For small column loads an allowable soil pressure of 6,000 p.s.f. may be used when foundations occur around elev. 222. 10,128 c.y. excavation. 5,595 c.y. backfill.

3. HORIZONTAL STRUCTURAL ELEMENTS: Describe briefly the basic structure, firegroofing, basic and unusual design loads and

Floors and roof consist of a reinforced concrete waffle slab 13" deep, 2" x 24 x 14" waffle pans, spaced at 30". Basic design loads are

- a) 150 p.s.f. in libraries.
- b) 100 p.s.f. in corridors.
- c) 50 p.s.f. # 25 p.s.f. partition allowance in offices and classrooms. The building will be designed for earthquake (N.B.C. zone 2). No provisions will be made for future extension.
- (d) Roof finish and insulation
- 5 Ply built up roofing on 12" insulation.
- 4. EXTERIOR CLADDING: Describe briefly, stating basic materials and their finish.
 - (a) Walls below grade gypsum board (painted) on case in place concrete, perimeter insulation to 2'-0" below grade. Waterproof membrane.
- (b) Walls above grade cast in place concrete precase concrete 2" insulation air space, 2" insulation and gypsum board (painted) block, gypsum board
- (c) Windows only

Bronze tinted double glazing in dark coloured thermally broken aluminum frames.

(d) Exterior doors, screens and entrances

Hollow metal painted doors and metal glazed doors and screens.

- (e) Projections, balconies, etc.
 - (i) elevated bridges.
 - (ii) wood deck balcony on built up roofing at student lounge.

5. INTERIOR VERTICAL ELEMENTS: Describe briefly and indicate linear footage of each:

(a) Permanent partitions & doors

180,076 sq. ft. gypsum board (painted) on metal stud partitions.

5,250 sq. ft. plastic laminate doors.

630 sq. ft. hollow metal doors.

(b) Demountable partitions & doors

(None)

(c) Other

Glazed partitions in corridors as shown 680 sq. ft.

(d) Folding or sliding doors

Modernfold Acoutiseal asbestos and vinyl cloth finish folding doors 2,320 sq. ft.

6. MULTI-STOREY ELEMENTS: Indicate number, type, capacity and speed of elevators and classity as per

Two geared passenger elevators 2,500 lbs. @ 150 feet per minute (one of which operates as a freight elevator also).

 INTERIOR FINISHES. Describe briefly proposed finishes for typical floors, walls, cellings.
 Carpet floors, gypsum board painted walls and acoustic tile ceilings in typical offices and administration area. Special finishes in deans' rooms.

- Classrooms vinyl asbestos tile, specially finished gypsum board partitions, exposed concrete ceiling and acoustic treatment as might be required.

" Moot court and two adjacent classrooms to have carpet floors, plaster walls and ceilings and acoustic treatment as might be required.

- Seminar rooms to have carpet or vinyl floor, with gypsum board walls & ceili same as classroom.

- Library and stack area to have carpet floors, with exposed ceiling and acoustic treatment as might be required.

Main lobby, pedestrian walkway to have quarry tile floor exposed concrete ceiling and walls.

- Public corridors other than administration area to have vinyl asbestos floor walls with special finish as might be required and linear aluminum ceiling.

. Stairs quarry tiles or terrazzo.

- 8. FITTINGS' FURNISHINGS & BUILDING EQUIPMENT: List significant items and describe briefly, where pertinent.
 - (a) Building equipment:

Student lockers, kitchenette units in faculty common room and staff lounge.

(b) Built-in furniture - Non-Instructional:

Reception desk.

Counters in workrooms, faculty common room and staff lounge and multicopy

Circulation desk, coat rack, display case in Library.

Coat rack in Deans' Offices, Staff Lounge.

Seating in Lounge areas.
(c) Built-in furniture - Instructional:

Witness box, judges' bench and fixed student desks (excluding chairs) in Moot Court.

Fixed student desks (excluding chairs) in classrooms with sloped floors.

(d) Built-in equipment - Instructional and Research:

Chalkboards 384 sq. ft. / tackboards (allowance only).

CASH ALLOWANCES: Describe briefly allowances listed in Supplement B, where appropriate. The amount of Design Contingency (E) will vary according to completeness of preliminary design of all elements. It should not exceed five per cent of items estimated.

Hardware \$44,800.

Design Contingency.

Provisions for Central Monitoring System.

Interior graphics.

10. ALTERATIONS & RENOVATIONS: Describe briefly.

Alterations to LeBlanc Residence (north of site) where pedestrian way connects.

Alterations to Library School (east of site) to upgrade fire resistance rating due to limiting distance between buildings. Removal of boiler room of Library School and repair of exposed elevation.

- 11. SITE DEVELOPMENT: Express services in linear feet, square feet or square yards, and describe briefly as to scope and type in sequence outlined in Element 11, Supplement B. State total project areas in acres or square feet.
 A. Demolition as per item 10.
 - B. Steam, condensate, chilled water supply and return, and central monitoring cables will be installed in the tunnel described under C. Water, storm and sanitary sewers will be connected on College Street. A 12/13.2 KV loop electrical service using 3C 500MCM, PILC cables in 4" concrete encased ductbank will be extended from lot line to transformer vault located in S.E. corner of building.
 - C. A utilities tunnel will run below the south end of the building to connect the ground floor mechanical room to the tunnel on Osgoode St. at lot line.
 - D. Exterior lighting will form part of and integrate with campus master plan lighting system.
 - E. 725 sq. ft. of asphalt roads. 12,700 sq. ft. of pedestrian walks; brick broom finish concrete.
 - F. 200 sq. ft. furniture, benchas, waste paper baskets etc.

G. Landscaping 2,500 sq. ft. Rough grading of site.

12. PlumBing & DRAINS: Describe briefly (a) total design and decamed load capacities and indicate if any future provisions are made; (b) Briefly specify typical plumbing factores, if different from University standards, and name all special services

Estimated senitary load is 350 fixture units. Plumbing fixtures will be to University standards. Domestic hot water will be provided by an instantaneous steam to water generator, and there will be a chilled water supply to the drinking fountains. Roof drainage will utilize control weir roof drains.

13. HEATING, VENTILATING & AIR CONDITIONING: Describe briefly (a) total busic design and demand load capacities; (b) basic heating, cooling, wealibring and countrol systems; and (c) name all special systems. State typical and unusual design conditions, or refer to University standards, noting significant deviations. Attach as additional page, if necessary.

Estimated demand loads are 6,000 lb/hr steem and 350 tons refrigeration. Steem and chilled water will be brought in via tunnel from the Maintenance Services Building.

An all air high velocity duel duct system will provide air conditioning throughout the building and continuous convectors below all windows will offset cold downdrafts from the windows in winter.

14. ELECTRICAL: Describe briefly (a) total basic design and demand load capacities and indicate any provisions for future extensions. (b) Indicate unusual illumination levels, if these differ from University standards. (c) List all special services provided. a) The building will have an electrical demand load of approximately 1200 KW which will be supplied at 347/600 Volts, 3 phase, 4 wire by the building transformer vault. The vault, supplied at 13.2KV will have capacity for transformers up to b) Footcandle levels throughout will be to Illuminating Engineering Society recommendations. c) The building will be provided with the following systems: 1. Fire Alarm with Campus master system connection. 2. Master clock and program system. 3. Bell Telephone system (Campus Centred). 4. Limited P.A. and intercom. 5. Security alarm annunciation for exit doors. 6. Audio visual systems. 7. Television. SITE DEVELOPMENT: Describe briefly all elements not included in the proposed general contract. Describe as in Element 11 of this form. Fees for these services should be shown in Element 19(b). Relocation of existing temporary buildings, demolition of existing houses, extension of pedestrian walkway to the Residence, landscaping and furniture of areas outside of the limits of the construction and between the new building site and existing buildings. 19. RELATED BUILDING COSTS: Describe briefly the need or purpose for additional services and state rate and estimated amount As indicated at Supplement B. (a) Architects and Engineers (b) Specialty Consultants (c) Tests, Surveys, etc. (d) Miscellaneous & Administrative - List fees for design services outside General Building Contract

(e) General Contingency

21. FURNISHINGS, FIXTURES & OFFICE EQUIPMENT: Indicate quantity and amount of floor coverings as in 7(a), if not carried in 7(a). This list is usually propared by the University, and should be related to functional areas. List groups of items and their estimated cost on Supplement A, or attach a separate Estimate Report. Explain unusual costs.

The indicated amount covers the cost of furnishings, drapes, fixtures and office equipment.

Carpet has been included to item "7".

22. EQUIPMENT: Describe briefly the basic groups of teaching and/or research equipment proposed. List equipment estimated to cost more than \$10,000. Identify or prorate "project related research" and "community services related" equipment where appropriate. Attach sheets as required.

The indicated amount covers the cost of the audio-visual equipment at the Moot Court and A.V. teaching equipment for the library and teaching stations.



DEPARTMENT OF UNIVERSITY AFFAIRS

ARCHITECTURAL SERVICES
481 UNIVERSITY AVENUE
TORONTO 2, ONTARIO

4-68
U.A.C.P. 4
TENTATIVE APPROVAL

Mr. J. McCarthy, Assistant Vice-Rector (Admia.), University of Ottawa, OTTAWA, Ontario.

Dear Sire

University UNIVERSITY OF OTTAWA:

Capital Project No. OT 49;

Name of Capital Project LAW BUILDING - 1969.

University Project No.

Estimated Total Expenditure

5,700,000

Probable Limit of Estimated Total Expenditure that may qualify for financial assistance through The Ontario Universities Capital Aid Corporation

\$ 5,700,000

TENTATIVE APPROVAL FOR PURPOSES OF FINANCIAL ASSISTANCE IS GIVEN FOR THIS PROJECT, SUBJECT TO THE FOLLOWING CONDITIONS AND COMMENTS:

That the request for PRELIMINARY APPROVAL for financial assistance on form UACP 5 will be forwarded to the Director of Architectural Services, Department of University Affairs, accompanied by the following:

- (a) One complete set of working drawings and specifications, dated and marked as issued for tender.
- (b) One completed form UACP Supplement D.
- (c) A copy of a letter of Final Approval from the Ontario Fire Marshal.
- (d) A confirmation that the University has a clear title to the land.

COMMENTS:

16th November, 197,8

Dota

NOV 13 1970

Moglas Tir Cup

| ON TABLE | DEFARTMENT OF UNIVERSITY AFFAIRS | |
|----------|---|---|
| ARCHITEC | CTURAL SERVICE | Œ |

4-68 U.A.C.P. 5 Request for PRELIMINARY APPROVAL

\$ 5,700,000 /

(Continued on page 2)

August 3rd 1971

| Director of Architectural Serv | vices |
|--------------------------------|-------|
| Department of University Af | fairs |
| 481 University Avenue, | |
| Toronto 2, Ontario. | |

Dear Sir:

| PRELIMINARY APPROVAL for financial assistance is requested: | PRELIMINARY | APPROVAL | for financial | assistance | is requested i |
|---|-------------|----------|---------------|------------|----------------|
|---|-------------|----------|---------------|------------|----------------|

University University of Ottawa Capital Project No. 0T 49 Name of Capital Project. Law Building

| University Project No. M 23 | | |
|--|----------------------------|----------------------------|
| CALCULATION OF FORMULA PROJECT COST | Requested in U.A.C.P. 3 | This Request U.A.C.P. 5 |
| Total net assignable area in square feet | 99,610 | 95,137 |
| Total remaining area in square feet | 48,310 | 55,780 |
| Total gross area in square feet | 147,920 | 150,917 |
| Project Cost per square foot of grass area | | \$37.88 |
| Construction Cost (Item-18,-Supplement 8) | \$4,7 | 67,180 |
| II. Less Refundable Taxes | . \$ <u>_1</u> | 38,180 |
| III. Net Construction Cost (Item 18, Supplement B) | \$4,6 | 29,000 |
| IV. Architect's & Consultant's Fees (7 % of Item III) | \$ 3 | 24,030 |
| V. Contingencies (3% of Item III) | \$ 1 | 38,870 |
| VI. Furniture & Fixtures (Item 21, Supplement B) | \$ 5 | 39,000 |
| VII. Equipment (Item 22, Supplement B) | \$ | 86,000 |
| ESTIMATED TOTAL FORMULA EXPENDITURE | \$5.7 | 16.900 |
| Probable Limit of Estimated Total Expenditure that may qualify for fit ance through The Ontario Universities Capital Aid Corporation, as ind UACP 4. | licated in form | 00,000 |

| NCLOSURES | | |
|---|---------------|----------------|
| In support of this application, I am forwarding the following: | | Under |
| Îtem · | Enclosed | Separate Covar |
| . One complete set of working drawings and See note below specifications marked as issued for tender | | x |
| One copy of completed UACP Supplement B (pink) | x | |
| A copy of a letter of Final Approval of the detailed plans from the Ontario Fire Marshal, (dated , when not attached)See note below | | (x) |
| COMMENTS | | |
| This is to advise you that the University has [2] has not [2] a clear title to the land. | | |
| | | |
| NOTE: Item #1 and #3 to be delivered by the architect Au the Department of University Affairs. | gust 4, 1971, | |
| | | |
| | | |
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| | 1 | |
| | Bretathy | S Collected |

Assistant Vice-Rector

-2-

U.A.C.P. 5

Request for PREMINARY APPROVAL

| NE FORM, WHICH IS A SUMMARY OF PROJECT COST ELEMENTS, IS TO BE READ WITH UACH SUPPLEMENT EXAMPLE ALSO OPERINTIONS OF TERMS FOR UACH SUPPLEMENTS. 1. INDIRECT AND GENERAL EXPENSES 1. INDIRECT AND GEN | 566,100 ,400 ,300 ,800 ,600 ,500 ,500 ,500 ,700 ,700 | ilding | 7, of 170 9 16.85 |
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| UNIVERSITY AFFAIRS A BELEMENT INDIRECT AND GENERAL EXPENSES 1. INDIRECT | UNIVERSITY & PROJECT LAW BU University of Law Bu University of Ott ENT C - PROJECT DESCRIPTION TOTAL COST \$666,100 ,400 ,300 ,800 ,500 ,500 ,500 ,700 ,700 ,700 ,700 ,7 | ET NAME: ilding awa on. E RATE cost/s-oss 4. 3.83 1.814048 1.14 1.03261761 5.8924 4.33 1.01 | 16.85 |
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| NE FORM, WHICH IS A SUMMARY OF PROJECT COST ELEMENTS, IS TO BE READ WITH UACH SUPPLEMENT EXAMPLE ALSO OPERINTIONS OF TERMS FOR UACH SUPPLEMENTS. 1. INDIRECT AND GENERAL EXPENSES 1. INDIRECT AND GEN | D TOTAL COST 566,100 ,400 ,500 ,500 ,500 ,700 ,700 ,700 ,700 ,7 | RATE COST/GROSS 3.83 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | 16.85 |
| ELEMENT 1. INDIRECT AND GENERAL EXPENSES TOTAL 2. SUBSTRUCTURE TOTAL 2. SUBSTRUCTURE TOTAL 2. INDIRECT EXCAVATIONS TOTAL 2. INDIRECT EXCAVATIONS TOTAL 3. BASEMENT EXCAVATIONS TOTAL 3. INDIRECT EXCAVATIONS TOTAL 3. INDIRECT EXCAVATIONS TOTAL 4. INDIRECT EXCAVATIONS TOTAL 5. INTERIOR CLADDING TOTAL 5. INTERIOR CLADDING TOTAL 5. INTERIOR ORDORS ENTRANCES & SCREENS 6. INTERIOR VERTICAL ELEMENTS TOTAL 5. INTERIOR VERTICAL ELEMENTS TOTAL | 566,100 ,400 ,300 ,800 ,600 ,500 ,500 ,500 ,700 ,700 | E RATE COSY/GHOSS ST S | 16.85 |
| ELEMENT 1. INDIRECT AND GENERAL EXPENSES TOTAL 1. A) INDIRECT AND GENERAL EXPENSES 1. B) TEMPORARY SERVICES AND ROADS 1. C) WINTER CONDITIONS 1. D) HEAD OFFICE OVERHEAD AND PROFIT 2. SUBSTRUCTURE 1. A) NORMAL FOUNDATIONS 1. B) BASEMENT EXCAVATIONS 1. SPECIAL FOUNDATIONS 2. MORIZONTAL STRUCTURAL ELEMENTS TOTAL 1. A) SLABE ON GRADE 1. SUSPENDED FLOOR SLABS 1. C) ROOF CONSTRUCTION 1. D) ROOF FINISH AND INSULATION 4. EXTERIOR CLADDING 1. WALLS BELOW GRADE 1. WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. C) WINDOWS ONLY 1. D) EXTERIOR DOORS ENTRANCES & SCREENS 1. E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS 5. INTERIOR VERTICAL ELEMENTS 1. SI INTERIOR VERTICAL ELE | 566,100 ,400 ,400 ,800 ,800 ,600 ,500 ,500 ,500 ,700 ,700 ,700 ,700 | RATE cost/aross sr 3.83 1.814048 1.14 1.03261761 5.8924 4.33 1.01 | 16.85 |
| ELEMENT 1. INDIRECT AND GENERAL EXPENSES TOTAL 1. A) INDIRECT AND GENERAL EXPENSES 1. B) TEMPORARY SERVICES AND ROADS 1. C) WINTER CONDITIONS 1. D) HEAD OFFICE OVERHEAD AND PROFIT 2. SUBSTRUCTURE 1. A) NORMAL FOUNDATIONS 1. B) BASEMENT EXCAVATIONS 1. SPECIAL FOUNDATIONS 2. MORIZONTAL STRUCTURAL ELEMENTS TOTAL 1. A) SLABE ON GRADE 1. SUSPENDED FLOOR SLABS 1. C) ROOF CONSTRUCTION 1. D) ROOF FINISH AND INSULATION 4. EXTERIOR CLADDING 1. WALLS BELOW GRADE 1. WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. SI WALLS BELOW GRADE 1. C) WINDOWS ONLY 1. D) EXTERIOR DOORS ENTRANCES & SCREENS 1. E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS 5. INTERIOR VERTICAL ELEMENTS 1. SI INTERIOR VERTICAL ELE | 566,100 ,400 ,400 ,800 ,800 ,600 ,500 ,500 ,500 ,700 ,700 ,700 ,700 | RATE cost/aross sr 3.83 1.814048 1.14 1.03261761 5.8924 4.33 1.01 | 16.85 |
| I. INDIRECT AND GENERAL EXPENSES | \$66,100 \$400 \$300 \$800 \$600 \$500 \$500 \$71,300 \$700 \$700 | 3.83 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 | 16.85 |
| 1. INDIRECT AND GENERAL EXPENSES 1. AN INDIRECT AND FROM THE TOTAL 1. AN ORMAL FOUNDATIONS 1. AN ORMAL FOUNDATIONS 1. AN INDIRECT AND GENERAL ELEMENTS TOTAL 1. AN ILABS ON GRADE 1. AN IL | ,400 ,300 ,800 ,600 ,500 ,500 ,000 ,700 ,700 ,200 | 3.83 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | 16.85 |
| A) INDIRECT AND GENERAL EXPENSES (B) TEMPORARY SERVICES AND ROADS (C) WINDOWS ONLY (D) HEAD OFFICE OVERHEAD AND PROFIT 2 SUBSTRUCTURE TOTAL (A) NORMAL FOUNDATIONS 38 (C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABS ON GRADE (B) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION 4 EXTERIOR CLADDING (C) WINDOWS ONLY (D) EXTERIOR ORADE (E) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS 5 INTERIOR VERTICAL ELEMENTS 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,400 ,300 ,800 ,600 ,500 ,500 ,500 ,000 ,700 ,700 ,200 | 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | 4.54 |
| A) INDIRECT AND GENERAL EXPENSES (B) TEMPORARY SERVICES AND ROADS (C) WINDOWS ONLY (D) HEAD OFFICE OVERHEAD AND PROFIT 2 SUBSTRUCTURE TOTAL (A) NORMAL FOUNDATIONS 38 (C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABS ON GRADE (B) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION 4 EXTERIOR CLADDING (C) WINDOWS ONLY (D) EXTERIOR ORADE (E) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS 5 INTERIOR VERTICAL ELEMENTS 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,400 ,300 ,800 ,600 ,500 ,500 ,500 ,000 ,700 ,700 ,200 | 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | 4.54 |
| (B) TEMPORARY SERVICES AND ROADS (C) WINTER CONDITIONS (C) WINTER CONDITIONS (D) HEAD OFFICE OVERHEAD AND PROFIT (E) HEAD OFFICE OVERHEAD AND PROFIT (E) BASEMENT EXCAVATIONS (E) BASEMENT EXCAVATIONS (C) SPECIAL FOUNDATIONS (C) SPECIAL FOUNDATIONS (C) SECIAL FOUNDATIONS (C) SECIAL FOUNDATIONS (C) SECIAL FOUNDATIONS (C) SECIAL FOUNDATIONS (E) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION (E) WALLE ABOVE GRADE (A) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR CLADDING (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC (D) INTERIOR VERTICAL ELEMENTS (E) VINCENTIAL EL | ,400 ,300 ,800 ,600 ,500 ,500 ,500 ,000 ,700 ,700 ,200 | 1.81 .40 .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | 1.24 |
| 18) TEMPORARY SERVICES AND ROADS 58 | ,500 ,500 ,500 ,500 ,500 ,500 ,500 ,700 ,7 | | |
| (C) WINTER CONDITIONS (D) HEAD OFFICE OVERHEAD AND PROFIT 2. SUBSTRUCTURE (A) NORMAL FOUNDATIONS (B) BASEMENT EXCAVATIONS (C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABS ON GRADE (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION 4. EXTERIOR CLADDING (A) WALLS BELOW GRADE (B) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS (D) INTERIOR VERTICAL ELEMENTS (E) PROJECTIONS BALCONIES ETC (E) INTERIOR VERTICAL ELEMENTS (E) INTERIOR VERTICAL ELEMENTS | ,800 ,600 ,500 ,500 ,500 ,500 ,700 ,700 ,700 | .48 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | |
| 2 SUBSTRUCTURE TOTAL (A) NORMAL FOUNDATIONS 38 (B) BASEMENT EXCAVATIONS 224 (C) SPECIAL FOUNDATIONS 85 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABE ON GRADE 36 (B) SUSPENDED FLOOR SLABS 64(C) ROOF CONSTRUCTION 145 (C) ROOF CONSTRUCTION 145 4. EXTERIOR CLADDING TOTAL (B) WALLS BELOW GRADE 158 (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS 65(C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS 65(C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS 65(C) WINDOWS ONLY (D) EXTERIOR BALCONIES ETC 36(C) WINDOWS ONLY (D) EXTERIOR BALCONIES ETC 36(C) WINDOWS ONLY (D) EXTERIOR SECURIORS SCREENS (E) PROJECTIONS BALCONIES ETC 36(C) WINTERIOR VERTICAL ELEMENTS TOTAL | ,600 152,600 ,500 ,500 ,500 ,700 ,700 ,700 ,200 | 1.14 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | |
| 2. SUBSTRUCTURE TOTAL (A) NORMAL FOUNDATIONS 38 (B) BASEMENT EXCAVATIONS 224 (C) SPECIAL FOUNDATIONS 85 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABS ON GRADE 36 (C) ROOF CONSTRUCTION 144 (C) ROOF FINISH AND INSULATION 45 4. EXTERIOR CLADDING TOTAL 45 (A) WALLS BELOW GRADE 163 (B) WALLS ABOVE GRADE 163 (C) WINDOWS ONLY 24 (E) PROJECTIONS BALCONIES ETC 36 5. INTERIOR VERTICAL ELEMENTS TOTAL 36 (II) WALLS ABOVE GRADE 163 (II) EXTERIOR DOORS ENTRANCES & SCREENS 65 (II) EXTERIOR VERTICAL ELEMENTS TOTAL 38 5. INTERIOR VERTICAL ELEMENTS TOTAL 38 (II) SPECIAL SELEMENTS TOTAL 38 (II) INTERIOR VERTICAL ELEMENTS TOTAL 38 (II) INTERIOR VERTICAL ELEMENTS TOTAL 38 (II) INTERIOR VERTICAL ELEMENTS TOTAL 38 (III) SPECIAL SELEMENTS TOT | 152,600 ,500 ,500 ,500 ,500 ,700 ,700 ,200 | 1.03 .26 .17 .61 5.89 .24 4.33 1.01 | |
| (A) NORMAL FOUNDATIONS (B) BASEMENT EXCAVATIONS (C) SPECIAL FOUNDATIONS (C) SPECIAL FOUNDATIONS (C) SPECIAL FOUNDATIONS (C) SPECIAL FOUNDATIONS (D) SPECIAL FOUNDATIONS (E) SUSPENDED PLOOR BLABS (E) SUSPENDED PLOOR BLABS (E) ROOF CONSTRUCTION (E) ROOF FINISH AND INSULATION (E) ROOF FINISH AND INSULATION (E) WALLES BELOW GRADE (A) WALLES BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC (S) INTERIOR VERTICAL ELEMENTS (E) FINITERIOR VERTICAL ELEMENTS (E) INTERIOR VERTICAL ELEMENTS (E) INTERIOR VERTICAL ELEMENTS (E) INTERIOR VERTICAL ELEMENTS (E) FINITERIOR VERTICAL ELEMENTS (E) INTERIOR VERTICAL ELE | ,600 ,500 ,500 ,500 ,700 ,700 ,200 | .26 .17 .61 5.89 .24 4.33 1.01 | |
| (8) BASEMENT EXCAVATIONS (C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABS ON GRADE (B) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION (A) EXTERIOR CLADDING (A) WALLS BELOW GRADE (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 5. INTERIOR VERTICAL ELEMENTS (C) (C) SPECIAL SCREENS (C) (C) STRUCTURE STRUCTURE STOTAL (C) (C) STRUCTURE STRUCTURE STOTAL (C) (C) SPECIAL SCREENS (C) | ,600 ,500 ,500 ,500 ,700 ,700 ,200 | .17 .61 5.89 .24 4.33 1.01 | 25.94 |
| C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABE ON GRADE (B) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION 4. EXTERIOR CLADDING (A) WALLS BELOW GRADE (B) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR OOGS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS TOTAL | ,500 871,300 ,000 ,700 ,200 | .17 .61 5.89 .24 4.33 1.01 | 25.94 |
| C) SPECIAL FOUNDATIONS 3. HORIZONTAL STRUCTURAL ELEMENTS TOTAL (A) SLABE ON GRADE (B) SUSPENDED FLOOR SLABS (C) ROOF CONSTRUCTION (D) ROOF FINISH AND INSULATION 4. EXTERIOR CLADDING (A) WALLS BELOW GRADE (B) WALLS BELOW GRADE (C) WINDOWS ONLY (D) EXTERIOR OOGS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 3. INTERIOR VERTICAL ELEMENTS TOTAL | ,500 871,300 ,000 ,700 ,200 | .61 5.89 .24 4.33 1.01 | 25.94 |
| -A) SLABS ON GRADE 36 -B) SUSPENDED PLOOR SLABS 644 -C) ROOF CONSTRUCTION 145 -C) ROOF CINISH AND INSULATION 45 -EXTERIOR CLADDING TOTAL -C) WALLS BELOW GRADE 158 -C) WALLS ABOVE GRADE 189 -C) WINDOWS ONLY 245 -C) PROJECTIONS BALCONIES ETC 36 -E) PROJECTIONS BALCONIES ETC 36 -E) INTERIOR VERTICAL ELEMENTS TOTAL | ,000 ,700 ,200 | 5.89 .24 4.33 1.01 | 25.94 |
| -A) SLABS ON GRADE 36 -B) SUSPENDED PLOOR SLABS 644 -C) ROOF CONSTRUCTION 145 -C) ROOF CINISH AND INSULATION 45 -EXTERIOR CLADDING TOTAL -C) WALLS BELOW GRADE 158 -C) WALLS ABOVE GRADE 189 -C) WINDOWS ONLY 245 -C) PROJECTIONS BALCONIES ETC 36 -E) PROJECTIONS BALCONIES ETC 36 -E) INTERIOR VERTICAL ELEMENTS TOTAL | ,000 ,700 ,200 | .24 4.33 1.01 | 25.94 |
| - BD SUSPENDED PLOOR SLABS 64(- CL ROOF CONSTRUCTION 145 - CL ROOF CONSTRUCTION 45 - EXTERIOR CLADDING TOTAL - CLAD WALLS BELOW GRADE 13 - WALLS ABOVE GRADE 181 - CL WINDOWS ONLY 24(- CL WINDOWS ONLY 24(- CL WINDOWS ONLY 33(- CL WINDOWS O | ,000 ,700 ,200 | .24 4.33 1.01 | |
| (C) ROOF CONSTRUCTION 145 (D) ROOF FINISH AND INSULATION 45 4 EXTERIOR CLADDING TOTAL (A) WALLS SELOW GRADE 163 (C) WINDOWS ONLY 24 (D) EXTERIOR DOORS ENTRANCES & SCREENS 6 (E) PROJECTIONS BALCONIES ETC 36 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,200 | 1.01 | |
| 4 EXTERIOR CLADDING 4 EXTERIOR CLADDING 1A) WALLS BELOW GRADE (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 5 INTERIOR VERTICAL ELEMENTS TOTAL | | | |
| 4 EXTERIOR CLADDING TOTAL (A) WALLS BELOW GRADE 138 (B) WALLS ABOVE GRADE 188 (C) WINDOWS ONLY 244 (E) PROJECTIONS BALCONIES ETC 38 5 INTERIOR VERTICAL ELEMENTS TOTAL | | .31 | |
| (A) WALLS BELOW GRADE (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,400 | | |
| (A) WALLS BELOW GRADE (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (D) EXTERIOR DOORS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC 5 INTERIOR VERTICAL ELEMENTS TOTAL | | 1 | |
| (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (D) EXTRENSO POODS ENTRANCES & SCREENS (E) PROJECTIONS BALCONIES ETC (B) INTERIOR VERTICAL ELEMENTS (B) WALLS ABOVE GRADE (C) WINDOWS ONLY (C) WINDOWS ONL | 489,100 | 3.30 | 14.56 |
| C: WINDOWS ONLY DESTRICTED COORS ENTRANCES & SCREENS E) PROJECTIONS BALCONIES ETC S INTERIOR VERTICAL ELEMENTS TOTAL | ,200 | .09 | |
| DE EXTERIOR DOORS ENTRANCES & SCREENS E) PROJECTIONS BALCONIES ETC 38 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,600 | 1.23 | |
| 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,400 | 1.68 | |
| 5 INTERIOR VERTICAL ELEMENTS TOTAL | ,200 | .04 | * |
| | ,700 | .26 | |
| | | | |
| | | | |
| A PERMANENT PARTITIONS AND DOORS 10. | 155,100 | 1.05 | 4.62 |
| (B) DEMOUNTABLE PARTITIONS AND DOORS | ,200 | .68 | |
| | - | | |
| | ,000 | .07 | |
| (U) FOLDING ON SLIDING PARTITIONS | ,900 | .29 | |
| 6 MULTI-STOREY ELEMENTS TOTAL | 300 600 | 7 | 2 11 |
| | 104,600 | -71 | 3.11 |
| | 900 | .22 | • |
| C) CATWALKS GRATING | - | - | |
| The state of the s | 700 | | |
| 7. | .700 | ,49 | |
| 7. INTERIOR FINISHES TOTAL | 542,800 | 3.67 | 16 16 |
| | | 1,44 | 16.16 |
| | 800 | .80 | |
| | | | |
| . B objective distribution | .,400 | 1.43 | |
| 'CI) EXTERIOR CLADDING X 1 INTERIOR PARTITIONS X 2 RATIO | | - | |
| INTERIOR PARTITIONS X 2 RATIO | Contract | | |
| 8 FITTINGS. FIXTURES AND EQUIPMENT TOTAL | 196,400 | 1.33 | 5.85 |
| | | 1.33 | |
| 'B' BUILT-IN FURNITURE AND FIXTURES | 400 | 1.00 | |
| C) BUILT-IN FURNITURE INSTRUCTIONAL | ,400 | | |
| D) BUILT-IN EQUIPMENT, INSTRUCTIONAL | 400 | | |
| | 400 | | |
| . , | | 20,81 | * |

UACP - SUPPLEMENT B

PROJECT No. 0T-49

| _ | | | c | 0 | | _ |
|--------------|--|--|-----------------------|--|------------|------|
| | ^ | | AMOUNT | TOTAL | RATE | F |
| | er : | | | 1 | COST/GROWS | OF |
| | ELEMENT | | S | COST | 5) | 1 10 |
| | | | CP | 3,078,000 | 20.81 | |
| | | | | | | |
| | CASH ALLOWANCES TOTAL | | | 281,100 | 1.90 | 8.3 |
| | NAT HARDWARE | | 44,800 | | .30 | |
| ************ | (🖰) | | 30,000 | | .20 | |
| | ·C) | | 15,000 | | .10 | |
| | (D) | | - | | - | |
| | E) CONTINGENCY | | 191,300 | | 1.29 | |
| 10. | ALTERATIONS AND RENOVATIONS TOTAL | Alline . | 400 | | - | |
| 11 : | SITE DEVELOPMENT PART OF GEN CONTRACT, TOTAL | | | 55,800 | .38 | * |
| | A: DEMOLITIONS SITE PREPARATION, DRAINAGE | | 9,000 | 23,000 | 06 | |
| - | . B. UTILITIES : INCLUDE MECH & SLEC SITEWORK. | | 32407 | | | |
| | C. UTILITY TUNNELS | | . ~ | | | |
| | D. ROADS AND PARKING AREAS | | | Manage of the Control | | |
| | E. PEDESTRIAN WALKS STEPS | | | | | |
| | F. EXTERIOR ILLUMINATION | | | | | |
| | G: FURNITURE | | = | | | |
| | · H. ANCILLARY STRUCTURES FENCES ETC | | | | | |
| | 1: LANDSCAPING | | | and the same of th | | |
| - | | | 46,800 | | .32 | |
| | PLUMBING AND DRAINS TOTAL | 100000000000000000000000000000000000000 | # 5 7/C 50 | 75,000 | .50 | * |
| | A PLUMBING AND DRAINE, ROUGHINGAN | | | | | |
| - | (B) PLUMBING FIXTURES AND HARDWARE | | | | | |
| | C) FIRE PROTECTION | ****** ** **** *** *** | AT NOT THE A | - Control | | |
| 1 | D: SPECIAL SERVICES SYSTEMS | | | of the state of th | | |
| - | | | | - Company of the Comp | - | |
| - | | | M | - | | |
| | HEATING VENTILATING, AIR CONDITIONING | | | 605,000 | 4,09 | * |
| | (A) INDIRECT SITE EXPENSES. OH & P + FOR 12 AND 19; | | | | | |
| | B) NEATING SYSTEM | | | | | |
| | C+ AIR CONDITIONING | | | | | |
| | D) VENTILATION SYSTEM | | | | | |
| | EL CONTROLS | | | | | |
| | P) PLANT | | | | | |
| - | G. SPECIAL SYSTEMS | | | | 1 | |
| | | 6.6.1 | | 450 000 | 0.11 | |
| | ELECTRICAL TOTAL | A STATE OF THE STA | | 460,000 | 3.11 | |
| | A: INDIRECT SITE EXPENSES ON & P | | | | | |
| | B: TRANSFORMERS AND MAIN DISTRIBUTION | | | | | |
| | C: POWER AND LIGHTING DISTRIBUTION | | | | | |
| | D) LIGHTING FIXTURES | | | | | |
| | E) UNDERFLOOR DUCT SYSTEMS | | | | | |
| | F: TV SYSTEMS | | - | | | |
| | G. SPECIAL SERVICES | | | | | |
| | The second secon | | AND THE SECOND SECOND | | | |
| | | | | | 00 00 | |
| 15 (| GENERAL CONTRACT TOTAL | | | 4,554,900 | 30.79 | 4X |
| | | | | 124 070 | | |
| 16. 1 | FEDERAL TAX REBATE: 3 % OF 15 LESS 10.11: | | | 134,973 | | * |
| | | | CF | 4,419,927 | 29.88 | |
| | Α | | | 1 197209021 | 20100 | |

(3)

UACP - SUPPLEMENT B

PROJECT No. ... OT 49

D RATE AMOUNT OF ITEM ELEMENT S 4,467,820 29.60 17 SITE DEVELOPMENT NOT IN GEN CONTRACT, TOTAL 161,180 AT DEMOLITIONS SITE PREPARATION, DRAINAGE 58,000 .39 B UTILITIES Central Monitoring 14,000 .09 UTILITY TUNNELS - Connections only 12,000 .08 D. ROADS AND PARKING AREAS 18,000 31,000 8,180 4,000 ANCILLARY STRUCTURES FENCES ETC .03 16,000 B TOTAL CONSTRUCTION COSTS 4,629,000 30.67 19 RELATED BUILDING COSTS 446,000 AT ARCHITECTS AND CONSULTANTS FEES 2.09 81 SPECIALTY CONSULTANTS' FEES 25,000 .17 TESTS SURVEYS SITE REPRESENTATIVE 49,000 .03 D. MISCELLANEOUS AND ADMINISTRATIVE 4,000 53,000 20 TOTAL BUILDING COSTS 5,075,000 33.63 21 FURNITURE FURNISHINGS AND OFFICE EQUIPMENT 539,000 3.57 8. BLINDS C. FURNITURE FURNISHINGS FIXTURES D. OFFICE EQUIPMENT 22 EQUIPMENT 86,000 A: TEACHING IBI RESEARCH

REMARKS

23 TOTAL PROJECT COST

GROSS FLOOR AREA

NET ASSIGNABLE FLOOR AREA

5,700,000

150,917 sq. ft..

95,137 sq. ft.



DEPARTMENT OF UNIVERSITY AFFAIRS

ARCHITECTURAL SERVICES
48: UNIVERSITY AVENUE
TORONTO 2, ONTARIO

Mr. J. McCarthy, Assistant Vice-Rector, University of Ottawa, Ottawa 2, Ontario.

Dear Sir:

Ret University UNIVERSITY OF OTTAWA:

Capital Project No. CAPITAL PROJECT NO. OT 49:

Name of Capital Project LAU BUILDING - 1969.

University Project No....

Total Expenditure as estimated by University on U.A.C.P. 5

5,716,900

U.A.C.P. 6 PRELIMINARY APPROV

Probable Limit of Estimated Total Expenditure that may qualify for financial assistance through The Ontario Universities Capital Aid Corporation

5,716,900

PRELIMINARY APPROVAL FOR PURPOSES OF FINANCIAL ASSISTANCE IS GIVEN FOR THIS PROJECT, SUBJECT THE FOLLOWING CONDITIONS AND COMMENTS:

That the request for FINAL APPROVAL for financial assistance will be submitted on form UACP 7, accompanied by

(a) One completed set of UACP Supplement D, which will also list tender prices received and the amount and nonof the tenderer to be selected.

COMMENTS:

13th August, 1971.

Be

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DEPARTMENT OF UNIVERSITY AFFAIRS

ARCHITECTURAL SERVICES

Director of Architectural Services, Department of University Affairs, DEPARTMENT OF COMPOS AND UNIVERSITIES

NOV 25 1971

OT 49

CAPITAL SUPPORT BRAME:

5-70 U.A.C.P. F Request for FINAL APPROVAL

Dear Sin FINAL APPROVAL for financial assistance is requested for: University of Ottawa Capital Project No. 0T 49 Name of Capital Project Law Building University Project No. N 23 CALCULATION OF PROJECT COST as revised - please refer to analysis i. Final Tender Prices Respective Obstantiation at Table of tender - Schedule 'A' attached \$ 4,313,941. MCClampacocappicolisquation Item B - Supplement D 173,180. II. Less Refundable Taxes (127,589.) III. Net Construction Costs \$ 4,359,532. IV. Architect's & Consultant's Fees (7 % of item III) 305,167. V. Contingencies (3% of Item III) 130,786. VI. Furniture & Fixtures 539,000. VII. Equipment 86,000. ESTIMATED TOTAL EXPENDITURE \$ 5,420,485. METHOD OF FINANCING: 1. The Ontario Universities Capital Aid Corporation \$ 5,420,485. 4. University's Own Resources available for this project **TOTAL ESTIMATED PROJECT COST** \$ 5,420,485.

November 24, 1971

Date

Misser thy

Name of the Assistant Vice-Rector

Schedule 'A'

University of Ottawa

DT 49

OT 49

Law Building

(Supplementary Information - UACP 7)

Analysis of and additions to the received lump sum bid of Ellis-Don Limited

Received lump sum bid

\$4,356,000.

Less:

(a) City encrochment fee (b) Service tunnel

\$ 3,388. 113.692.

___117,080.

Building general contract as per received bid (Item A.1 of UACP Supplement D)

4,238,920.

Add:

(a) Cost of alternate items as per received tender items b,c,d,e,f,p,q

\$ 24,158.

(b) Allowance for items listed in Ellis-Don's letter of Nov. 19. 1971, copy strached, but subject to further negetiations. Only items 1, 3, 4, 5 acceptable \$ 50.863,

75,021.

Revised building general contract

\$4,313,941.

DEPARTMENT OF UNIVERSITY AFFAIRS

| MAY 1989 PROJECT | No. OT | 49 | OT | 4 | 0 |
|---------------------|--------------|------|----|---|---|
| UNIVERSI | TY & PROJECT | NAME | | | |
| | ty of Ottaw | | | | |
| Law Buil | ding | | | | |

PROJECT COST PLAN/FINAL COST REPORT UACP SUPPLEMENT D

NOV 25 1971

FOR SCOPE AND DEFINITIONS OF ELEMENTS SEE DUA PUBLICATION "DEFINITIONS OF TERMS FOR UACP SUPPLEMENTS", ITEM NUMBERS IN SPACKETS REFER TO CLEMENT ARRANGEMENT IN UACP SUPPLEMENT S. WHICH CORRESPONDS TO QUANTITY SURVEYORS STANDARD SUILDING COST ELEMENT ARRANGEMENT.

| ELEMENTS | ESTIMATE UACP 8 | TENDER L | EXTRAS | TOTALS |
|---|-----------------|---|------------|--------|
| ARCHITECTURAL & STRUCTURAL SUBTOTAL 1 TO 71 | 2,947,900 | 2,755,452 | | |
| - BUILDING EQUIPMENT INA. | 167,600 | 163,500 | | |
| BUILT IN FURNITURE | | | | |
| 4 BUILT-IN EQUIPMENT (INSTRUCTIONAL) (ec. b) | | | | |
| * CASH ALLOWANCES .* | | | | |
| A) HARDWARE | 44,000 | 44,000 | | |
| B Granhics | 15,000 | 15,000 | | |
| Check alt. piling | 2,000 | 2,000 | | |
| o Ottawa Hydro | 3,000 | 3,000 | | |
| XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | * | | |
| | 3,000 | 3,000 | | |
| (E) Acoustic allowance | 816,650 | 722,000 | | |
| 6 MECHANICAL (ERCL SITE WORK) (12 13) | 536,050 | 470,000 | | |
| 7 ELECTRICAL LEAGE SITE WORK 14 | 330,030 | 470,000 | | |
| | h 525 200 | 4,177,952 | | |
| 8 NET BUILDING COST | 4,535,200 | | | |
| 9 SITE DEVELOPMENT (PART OF GEN CONTRACT: 11) | 61,800 | 51,968 9,000 | | |
| O ALTERATIONS AND RENOVATIONS HO | 9,000 | 5,000 | | |
| 1 BUILDING, GENERAL CONTRACT TOTAL | H 605 000 | H 220 000 | <i>ii.</i> | |
| | 4,606,000 | 4,238,920 | | |
| 11. FEDERAL SALES TAX (EST AS 3% OF 8 DEDUCT | 138,180 | 125,338 | | |
| BUILDING CONTRACT COST EACL NON APPLICABLE OR REFUNDABLE TAXES. | 4,467,820 | 4,113,582 | | |
| | | · · | | |
| 1 DEMOLITION AND SITE CLEARANCE (174- | 58,000 | 58,000 | | |
| | 26,000 | 38,000 | | |
| 2 UTILITIES 178 C | 57,180 | 57,180 | | |
| 4 ANCILLARY WORKS 117H | 4,000 | 4,000 | | |
| 9 LANDSCAPING (17) | 16,000 | 15,000 | | |
| | | | | |
| B. SITE DEVELOPMENT TOTAL | 161,180 | 173,180 | | |
| NOT INCLUDED IN GENERAL CONTRACT | , | 1 170,100 | | |
| TOTAL CONSTRUCTION COSTS (A & 8) TOTAL | 4,629,000 | 4,286,762 | | |
| | .,,020,,000 | 1 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
| I PROCESSIONAL SEES, 194 S. | 340,000 | 304,955 | | |
| 1 PROFESSIONAL FEES :19A B. | 49,000 | 49,000 | | |
| 2 TESTS SURVEYS ETC :10C | 4,000 | 24,000 | | |
| 3 MISCELLANEOUS FEES FOR B 1190 | 53,000 | 57,695 | | |
| 4 GENERAL CONTINGENCY 98 | | | 1 | |
| D. RELATED BUILDING COSTS (18) TOTAL | 446,000 | 435,650 | | |
| | | | т т | |
| FURNISHINGS, FIXTURES AND OFFICE EQUIPMENT (LIST AMOUNTS OFFICE EQUIPMENT (LIST AMOUNTS OFFICE EQUIPMENT (LIST AMOUNTS) | 539,000 | 539,000 | | |
| | | | | |
| F. EQUIPMENT (22A. 8) | 86,000 | 86,000 | | |
| | 00,000 | 00,000 | | |
| | 5,700,000 | 5,347,412 | | |
| G. TOTAL PROJECT COST | | | L | |

| | AWARD DATE | 85 | | |
|---|----------------------|---------------------|--|--|
| CONSTRUCTION TIME FROM Dec. 1.71 | TO JULY8, 73 I.E. | MOTOL CO. | MILLINO | |
| NUMBER OF FIRMS WHO TOOK PLANS | 8 NUMBER OF E | TOTAL CONTRACTOR | | |
| ARCHITECT'S ASSESSMENT OF MARKET CO | NDITIONS PRIOR TO TE | NDEN: | | ` |
| BUSY X NORMAL | SLACK | | | |
| G.S. Adams | on & Associates | | | |
| GENERAL CONTRACTOR Ellis-Don | | | ` | |
| COST ANALYSIS BY Helver - Y | ermeulen Rae | | | |
| AREA MEASUREMENTS BY G.S. Adams | on & Associates | | | |
| NUMBER OF FLOORS LIST EACH BASEMENT AND FENTHOUSE LEVEL | GROSS AREA | немт немт | NET ABEIGNABLE AREA | ADJUSTMENTS BY DUA |
| First | 27,080 | 11-6 | 15.832 | |
| Second | 21,333 | 11-6 | 12,110 | Secretaria de la constitución de |
| Third | 34,348 | : 14-0 | 19,555 | |
| Fourth | 31,217 | 11-6 | 22,800 | |
| Fifth | 31,217 | 11-6 | 24,840 | |
| Penthouse | 5,722 | 16-4 | | |
| | | | ************************************** | |
| TOTAL GROSS AREA: | 150,917 | TOTAL NET ASSIGNA | 95,137 | * ************************************ |
| , | | NET ASSIGNABLE | 63% | |
| TOTAL NET ASSIGNABLE RENOVATED: | 444 | 10 GROSS FLOOR RE | the raction | |
| TOTAL GROSS FLOOR AREA RENOVATED: | * | | | |
| REMARKS | | | | |
| E. FURNISHINGS, FIXTURES AND OFFICE EQUIPMENT | THE AMOUNT CARRIED | FOR ELEMENT 21A - 1 | -COOK COVENING | ided to items 2 |
| F. EQUIPMENT BUDGET | | | TEO WITH UACP NO. 1 OR NO. 1 | s 62 |
| P. EQUIPMENT BODGET | | SUPPLEMENT A FORMS | | |
| Tenders received | | llding construc | | oldg. & tunnel |
| Ball Brothers | | 4,454,000 | 4,613 | . 000 |
| Ball Brothers Doran Construction | | 4,480,000 | 4.589 | |
| Ellis-Don (lowest b | idder) | 4,238,920 | 4,352 | |
| Thomas Fuller Constr. | | 4,491,447 | 4,600 | ,000 |
| Janin bldg. & civil works | | 4,504,000 | 4,598 | ,700 |
| V.K. Mason Constr. | | 4,492,000 | 4,578 | |
| Omega Constr. Co. | | 4,554,968 | 4,719 | |
| Pigott Constr. Co. | | 4,527,550 | 4,652 | ,550 |
| | | | | |
| | | | · Just 11 | /ocharicase |
| Nameshan 24 1071 | CACCALATILE | T OF PERCETING | OFFICER /1/1/0/1/ | 1011ha 1160.00 |



RCHITECTURAL SERVICES

\$ 5,420,485

(Continued on page 2)

Mr. J. McCarthy, Assistant Vice-Rector (Admin.), University of Ottawa, Ottawa, Ontario.

| - | - |
|-------------|---|
| Dager | |
| SAME OF THE | |

| | | ************************************** |
|-----------------------------|----------------------------|--|
| Capital Project No | OT 49; V, | 177 |
| Name of Capital Project | LAW BUILDING - 1969. | \ |
| University Project No | | * |
| | * | |
| PROJECT COST CALCULATE | ON | |
| I. Approved Tender Price | 06 | \$ 4,313,941 |
| ia. Less non-applicable p | ortions | \$ 173,180 |
| II. Less Refundable Taxe | | \$ (127,589) |
| III. Net Construction Cost | · ** | \$ 4,359,532 |
| IV. Architect's & Consultar | t's Fees (7 % of ItemEII) | \$ 305,167 |
| V. Contingencies (3% of i | iom III) | \$ 130,786 |
| VI. Furniture & Fixtures | | \$ 539,000 |
| 711. Equipment | | \$ 86,000 |
| PPROVED TOTAL COST | | \$ 5 420 405 |

UNIVERSITY OF OTTAWA

FINAL APPROVAL FOR PURPOSES OF FINANCIAL ASSISTANCE TO BE PROVIDED THROUGH THE ONTARIO UNIVERSITIES CAPITAL AID CORPORATION FOR THIS PROJECT IS GIVEN IN THE AMOUNT NOT EXCEEDING:

5,420,500.

5-70 U.A.C.P. 8 FINAL APPROVAL

University of Ottawa;

Capital Project No. OT 49;

Law Building - 1969.

THIS FINAL APPROVAL IS GIVEN, SUBJECT TO THE FOLLOWING CONDITIONS AND COMMENTS:

- That the amount of money allocated to this project will be reported to the Director of Finance, Department of University Affairs, in the request for an advance for which a debenture is sold to The Ontario Universities Capital Ald Corporation.
- That the amount of this FINAL APPROVAL is the total amount of financial assistance to be made through The Ontario Universities Capital Ald Corporation for this project.
- That the Director of Architectural Services will be kept informed of the progress of this project at time intervals not exceeding three months.
- That financial assistance will be provided for expenditures incurred for the acquisition and installation of Furniture, Fixtures and Equipment for this project when incurred within eighteen months of the substantial completion of the building.
- That a Final Cost Report, on Supplement D. Form, shall be submitted to the Director of Architectural Services, Department of University Affairs within eighteen months of substantial completion of this facility.

10th December, 1971.

Element Costs

It will be noted that although reference is made a number of times to the various elemental unit costs, only major elements e.g. site development, architectural, mechanical, electrical, and so on, have been tabulated, together with their pertinent unit costs. Those elements which make up the architectural costs (items 1 to 8) on Supplement B are not included in this publication. There are two reasons for this:

- (1) At this time the relationship of final costs to "estimate only" elemental cost Supplement B (Tender Stage) is not definitely known and can only be approximated. Since accuracy was paramount in this report, such element relationships have therefore been omitted in this issue, and
- (2) If and when the above relationship can be established within some acceptable degree of accuracy, it is intended that these element costs will be combined with an accurate historical cost index so that immediate comparisons can be made by building type. An invaluable aid will thus have been created for administrators and architects in that it will then be possible to determine with confidence the possible lower limits of costs for the various elements of any building type. A defensible, reasonable total cost can be determined and a high degree of creative cost control can be exercised. Thus an architect with an university library commission for example, should be able to examine comparable unit costs of all elements, including horizontal structural elements, exterior cladding, fittings, fixtures, multi-storey elements, and so on, as well as the other major elements already included, for all the other libraries already built or under construction. He could then pick and choose the sort of elements which would allow him to budget with great accuracy, subject, of course, to the vagaries of the market place and provided a good construction index would allow him to bring all costs to a Base year with some confidence.

Building types

In the project cost space record tabulations buildings have been grouped into 17 different categories. Such groupings make comparisons credible since they have been determined by space use categories. The categories are those used in the Ontario Universities Physical Resources Survey, commissioned in 1967 and recently submitted to the Government.

General remarks

As mentioned earlier there is a great need for a reliable, historical cost index in order that valid comparisons of unit costs by elements may be made.

This Department intends to create such an index. It will be based upon a group of actual buildings already constructed or under construction in the college and university system. The procedure will centre about the constant updating (perhaps

quarterly) of the costs of these various buildings, by the same team of people usir the same methodology. It should be possible to get accurate yearly and quarterly relationships as far back as 1965—which, for purposes of this data, is sufficient.

Since this Department will use the data for the purpose of fine-tuning the cost index within the capital formula, *known* escalation is sufficient. The universities and their consultants could use the index in the knowledge that it would be reliab as of its latest update. It would certainly allow for the *percentages* of the total building costs allocated to the various elements to be clearly established and compared.

Cost Reporting

In this regard, although it is with some pride that this cost and space data is published, the foregoing remarks serve to illustrate the shortcomings of cost reporting and data comparisons in the building industry generally. The reporting and estimating disparity existing between the methodology used by cost consultants and general and sub-contractors is an enormous one and it behooves these two bodies take steps to overcome these differences. Compounding this anomaly is the still different methodology required for itemizing or reporting unit costs for a System Building Approach. Since this approach quite clearly signals a way out of the nine teenth century for the construction industry, any necessary cost reporting methology changes should be made to accommodate such an approach.

J. Douglas McCullough

Director of Capital Support

Ministry of Colleges and Universities

Definitions of terms used in the project Cost/Space data

PROJECT NAME

The code for the project is designated by the Department of Colleges and Universities. This identifies the university by alphabetic code as well as indicating the capital project number. The universities are designated as follows:—

BR Brock University

CA Carleton University

ER Erindale College

GU University of Guelph

LA Laurentian University

LH Lakehead University

MC McMaster University
OT University of Ottawa

OT University of Ottawa
QU Queen's University

TO University of Toronto

TR Trent University

WA University of Waterloo

WE University of Western Ontario

WI University of Windsor

YO York University

SC Scarborough College

BUILDING TYPE

The projects are classified by building type as follows:-

Science

Engineering

Administration

Arts

Lecture Hall

Library

Law

Education

Physical Education

Student Unions

Food Services

Health Services

Central Services & Maintenance

Staging

PROJECT TYPE

The projects are classified by project type as follows:-

New Buildings

Additions

Completions

Renovations

Alterations

UACP CODE

The UACP code of the project is designated as follows:—
7-1 represents UACP No. 7—tender cost plan at tender stage;
7-2 represents UACP No. 7—the final cost report on the project.

SUBMISSION DATA

The date the applicable UACP form was received by the Department of Colleges and Universities.

NASF

Net Assignable Square Footage—This is the area of the project which may be assigned to a specific academic, administrative or general university activity function. This activity does not include circulation and general service areas such as corridors, staircases, restrooms, washrooms, janitors' closets, building service staff facilities, mechanical or electrical service rooms and general storage areas, except where the latter two types of space constitute the prime function of the building as, for instance, in a central utility plant or a central maintenance building.

GSF

Gross Square Footage—This is the total area of the project measured flat on a plan for each floor from outside to outside of the exterior walls. It includes the actual area of balconies and mezzanines where these occur within the exterior walls of the building. It includes all floor areas that have a head room of six feet or more, penthouses, machine rooms, enclosed connecting links, rooms below grade or sidewalks, true areas of columns, dormers and the like, provided these extend vertically for the full floor height. It excludes tunnels with less than six feet of head room, exterior balconies, canopies, area ways, covered walkways, unenclosed exterior staircases and fire escapes, exterior steps and landings, patios, terraces, roof overhangs, and cornices and enclosed areas without roofs.

NASF/GSF

Net assignable square footage divided by the gross square footage.

TENDER DATE

The month and year the project was tendered.

CONSTRUCTION TIME

The month and year construction on the project was started and the month and year the project was substantially completed.

MARKET CONDITION

Indicates the general nature of the construction market at the time of tendering in terms of one of the following three classifications of activity in the industry: normalized or busy.

ACTUAL COSTS

Costs in terms of dollars in the tender year and month. The term 'actual' is used t distinguish this cost from an 'adjusted' cost figure calculated through the use of some construction cost index.

% OF TOTAL COST

The cost of each cost element expressed as a percentage of the total cost of the project.

ACTUAL \$/GSF

The actual cost of each cost element divided by the gross square footage of the project.

ACTUAL \$/NASF

The actual cost of each cost element divided by the net assignable square footage the project.

Use category definitions

In order that projects could be grouped by building types for comparison or other purposes, it was necessary to define all the various possible spaces by use category. In this way, buildings having a common high percentage of a particular use category would be grouped as a particular type. The definitions are fairly universal and are follows:—

CLASSROOM

A room used by classes which do not require special purpose equipment for student use. Examples of rooms included in this category are: lecture theatre or audicional classrooms, seminar rooms, chapel-instruction, classroom service, projection/control rooms, demonstration, preparation and set up rooms, stage equipment rooms, dressing rooms, study rooms, coat rooms, book locker rooms, classroom observer rooms, classroom storage, computation rooms, etc.

PECIAL PURPOSE

A room used by regularly scheduled classes which require special purpose equipment for student participation, experimentation, observation or practice in a field of tudy. A room used for laboratory application, research and/or training in research nethodology which requires special-purpose equipment for staff and/or student experimentation or observation. Examples of rooms included in this category are: project space, class laboratories, map rooms, drafting rooms, language laboratories, etc.

RESEARCH

A space specially designed and/or equipped for individual experimentation, obserration or practice. Such spaces are assigned to faculty members and professionals, dvanced students and technical staff for carrying out personal academic work. Such pace is not assigned in connection with a single course, but rather with regard to an individual's terms of employment or study programme. Examples of rooms included in this category are: faculty, professional, technical staff and student project spaces.

ABORATORY

Any regularly scheduled special-purpose space whose major characteristic is the proision of specially equipped and separate work stations. These may be fixed or movble. Examples of rooms included in this category are: laboratories with bench and lesk type stations, map rooms, drafting rooms, studios, computer rooms.

RY LAB

any laboratory having no utilities provided and equipped with bench type stations.

VET LAB

any laboratory having utilities such as gas, air, water and vacuum provided and quipped with bench type stations.

FFICE

A room or space with office type equipment (desks, filing cabinets, bookcases, copying equipment, etc.) usually assigned to individuals on a permanent basis. Examples of rooms included in this category are: faculty and professional offices, executive

offices, directors' offices, student offices, audio-visual offices, technician's office, housing offices, custodial offices, office services, reception, clerical work areas, general workrooms, mailrooms, office supply, office files, office communications, office storage, conference facilities, kitchenettes, etc.

LIBRARY

A room used to study books or audio-visual material on an individual basis. This category does not include special class laboratories, offices, combination sleeping-study rooms in residence halls, waiting rooms or lounges.

Also included under this space category are all primary spaces directly related to the functioning of study facilities such as reader aid areas (spaces in which conveniences or special services are provided to readers using study facilities) and media storage areas in which documents used in study facilities may be stored.

Examples of rooms included in this category are: stack areas, reader rooms, study rooms, library carrels, individual study stations, study booths, and similar rooms intended for study purpose.

PHYSICAL EDUCATION

A room or area used by students, staff or the public for athletic activities. Examples of rooms included in this category are: playing areas, activity rooms, swimming pools, spectator seating, athletic-physical education facility services, etc.

SPECIAL USE

All installations providing specialized services or housing special activities of interest to particular groups within the university community. Special use facilities are not used primarily for instruction, but may serve as an adjunct to certain instructional activities. Examples of rooms included in this category are: armory facilities services, audio-visual, demonstration facilities, field service facilities, etc.

AUDIO-VISUAL

A room or group of rooms used in the production and distribution of instructional media.

Examples of rooms included in this category are: TV studios, radio studios, sound studios, and graphics studios (not used primarily for instruction in communication techniques).

CLINIC

A room used for the diagnosis and/or treatment of patients. Examples of rooms included in this category are: examination rooms, testing rooms, and consultation

rooms which are typically associated with such fields as psychology, speech and hearing, remedial reading and remedial writing. Also included are all primary spaces associated with medical, dental and other student health installations.

DEMONSTRATION

A room used to practise the principles of certain subject matter areas, particularly teaching and home management.

Examples of rooms included in this category are: demonstration schools, laboratory schools, pre-school nurseries, home management houses, etc.

GENERAL USE

Primary space associated with supporting those needs of the university population not specifically related to the functions of instruction, administration or maintenance. In general, the use of these facilities is not restricted to special interest groups or particular segments of the university population, although in some cases a general use facility may serve as an adjunct to certain instructional programs. Examples of rooms included in this category are: spaces providing for food service, recreation, commerce, entertainment, etc.

ASSEMBLY

A facility designed and equipped for dramatic, musical, devotional, convention or livestock judging activities, accommodating large audiences (more than 100 seats) and not used primarily for scheduled instruction.

Examples of rooms included in this category are: theatres, auditoriums, concert halls, arenas, chapels, etc.

EXHIBITION

Space used for the display of systematic collections, art, rare objects, large scale graphics related to a particular subject, etc. Departmental displays are not included in this category.

FOOD

Seating area used for eating food.

Examples of rooms included in this category are: dining halls, cafeterias, snack bars, restaurants and similar eating places open to the student body and/or public at large.

RECREATION

Areas accommodating leisure time activities which require special equipment in addition to, or instead of, seating.

Examples of such spaces are commonly found in student unions and include bowl-

ing alleys, billiard rooms, table-tennis rooms, game rooms, hobby or craft rooms, etc. Athletic-Physical Education facilities used for instruction or inter-collegiate competition are not coded here.

SUPPORTING

This category includes all facilities or installations connected with the support of university-wide activities or with the support of the university's physical plant.

DATA PROCESSING

An area within a data centre where computer output is visually checked for conformance with pre-established formats to determine quality.

Examples of rooms included in this category are: data processing wiring, repair, observation, verifier room, storage, data processing services.

SHOPS

Any shop used in connection with the support of non-instructional and non-resea efforts, such as the university print shop. This category does not include physical plant maintenance shops.

Examples of rooms included in this category are: photographic processing, camer shop, printing shop, bindery shop, facilities, workrooms, repair shop facilities, storage, etc.

PHYSICAL PLANT

All space associated with the operation and maintenance of an institution's buildings, grounds and other elements of physical plant.

CENTRAL UTILITY

NON-ASSIGNABLE

Includes all space which, for various reasons, cannot be assigned to a departmental user or which is unassigned at the time of survey.

Examples of rooms included in this category are: custodial, circulation, mechanic rest rooms, etc.

UNASSIGNABLE

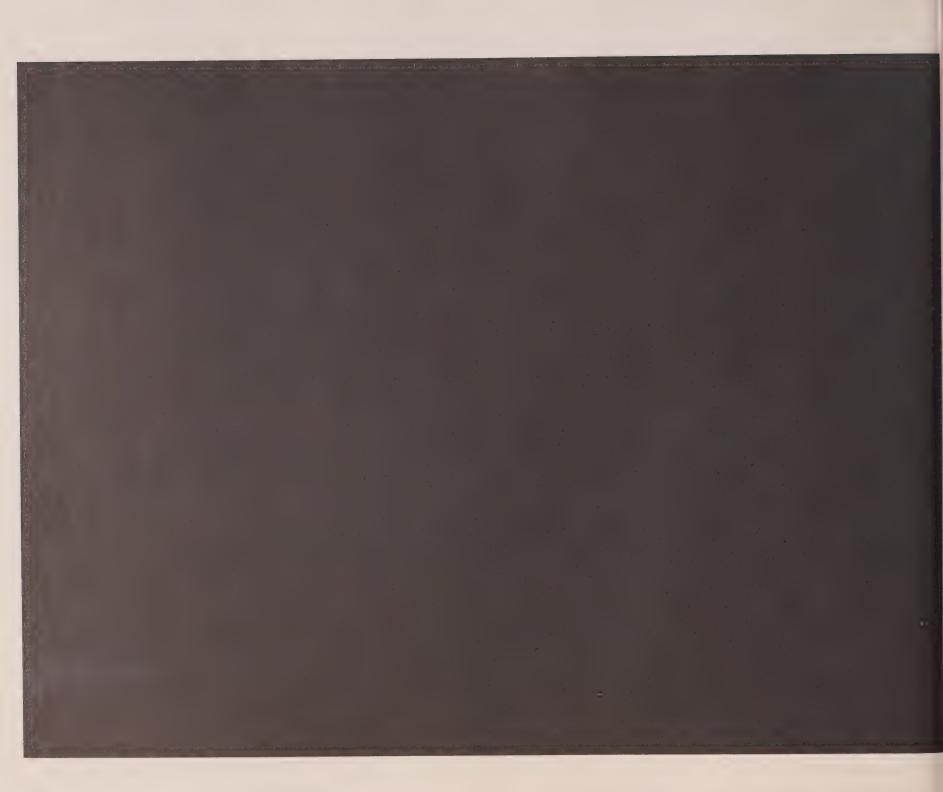
A space not under the control of a particular department or jurisdictional unit at the time of survey.

Example: space in an occupied building which is in the process of being remodell new construction which is incomplete, etc.



T 14 / Engineering Building — 1966

Murray & Murray, Architects & Town Planners



Contents

Administration Buildings

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Utility Buildings

Cost Study 1971

Cost Study 1970



GU 2 / Arts Building - 1965

Hancock Little Calvert Associates

Administration Buildings



GU 6 / Library - 1965

Hancock Little Calvert Associate

PROJECT NAME: ADMINISTRATION BLDG-67

PROJECT NUMBER: CA025

BUILDING TYPE: ADMINISTRATION PROJECT TYPE: NEW BUILDING

UACP CODE: 7—1 SUBMISSION DATE: 02/70

A025 USE CATEGORY TYPE:

ATION OFFICE

300 810 610

22/SEP/71

NASF: GSF: 64,930 93,300 .70

NASF/GSF:

TENDER/ESTIMATE DATE: 11/67 CONSTRUCTION TIME: 12/68 - 07/69

CONSTRUCTION TIME: 12/68 - 07 MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop, (Excl.) Site Develop, (Incl.) | 208,400 | 6.40 | 2.23 | 3,21 | Classroom | Magnitus |
| Alter'ns & Renova'ns | 200,400 | - | | 5.21 — | 0 | |
| Site Development | 208,400 | 6.40 | 2.23 | 3.21 | Special Purpose Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 80.0 |
| Int. Vert. Elements Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | _ | _ | | | |
| Cash Allowance | 92,820 | 2.90 | .99 | 1.43 | Physical Education | |
| Built-in Equipment | 92,820 | 2.90 | .99 | 1.43 — | Const. 3 TT | |
| Architectural | 1,596,786 | 49.30 | 17.11 | 24.59 | Special Use Audio Visual | 4.3 |
| uilding Cost | 1,689,606 | 52.20 | 18.11 | 26.02 | Clinic | 0.6 |
| | _,,, | 02.20 | 10.11 | 20.02 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 665,855 | 20.60 | 7.14 | 10.25 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 270,937 | 8.40 | 2.90 | 4.17 | Food | _ |
| Fed. Sales Tax Rebate | 113,392 | 3.50 | 1.22 | 1.75 | Recreation | 6.3 |
| ub-Total 'A' | 2,721,406 | 84.10 | 29.17 | 41.91 | Supporting | |
| | _,,,, | 01.10 | 20.11 | 41.31 | Data Processing | 8.8 |
| | | | | | Shops | - |
| Fees | 170,087 | 5.30 | 1.82 | 2.62 | Physical Plant | _ |
| Miscellaneous | 85,044 | 2.60 | .91 | 1.31 | a any oncor i rough | |
| | | | | | Central Utility | mone. |
| ub-Total 'B' | 255,131 | 7.90 | 2.73 | 3.93 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 259,542 | 8.00 | 2.78 | 4.00 | Non Assistantia | |
| Equipment | | _ | _ | | Non-Assignable Custodial | |
| | | | | | Custogial Circulation | |
| ub-Total 'C' | 259,542 | 8.00 | 2.78 | 4.00 | Mechanical | |
| | | | | | Rest Room | |
| | 0.000.050 | 100.00 | | | 2000 2000111 | |
| otal Project Cost | 3,236,079 | 100.00 | 34.68 | 49.84 | Unassignable | |

22/SEP/71

PROJECT NAME:

UACP CODE:

ADMINISTRATION BUILDING

PROJECT NUMBER: WA671

BUILDING TYPE: ADMINISTRATION

PROJECT TYPE:

NEW BUILDING 7-1 SUBMISSION DATE: 04/71

USE CATEGORY TYPE:

OFFICE

300

NASF: GSF: NASF/GSF: 38,147 52,669

03/71 TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

04/71 - 07/72MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------------|-------------------------|
| | | _ | _ | _ | Classroom | - |
| Site Develop. (Excl.) Site Develop. (Incl.) | 6,730 | .40 | .13 | .18 | | |
| Alter'ns & Renova'ns | <u> </u> | _ | _ | | Special Purpose | |
| Site Development | 6,730 | .40 | .13 | .18 | Research Laboratory Dry Lab | 4.7 |
| Indirect & Gen'l Exp Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 82.0 |
| Int. Vert. Elements Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | | 1.90 | .55 | .76 | Physical Education | _ |
| Built-in Equipment | . . | _ | _ | 22.13 | Special Use | |
| Architectural | 844,035 | 56.20 | 16.03 16.58 | 22.13 | Audio Visual Clinic | 0.3 |
| Building Cost | 873,085 | 58.20 | 10.58 | 22.00 | Demonstration | _ |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 298,519 | 19.90 | 5.67 | 7.83 | Assembly | |
| Mechanical | 200,020 | | | | Exhibition | _ |
| Electrical | 137,193 | 9.10 | 2.60 | 3.60 | Food | _ |
| Fed. Sales Tax Rebate | 39,466 | 2.60 | .75 | 1.03 | Recreation | 7.5 |
| Sub-Total 'A' | 1,276,061 | 85.00 | 24.23 | 33.45 | Supporting | _ |
| | | | | | Data Processing Shops | _ |
| | | # AA | 1 80 | 2.34 | Physical Plant | 5.4 |
| Fees | 89,324 | 5.90 2.50 | 1.70 .73 | 1.00 | I lly sical I lanv | 0 |
| Miscellaneous | 38,282 | 2.50 | .10 | 1.00 | Central Utility | |
| 0.1 m 4.1 (7) | 127,606 | 8.50 | 2.42 | 3.35 | | |
| Sub-Total 'B' | 121,000 | 0.00 | | | Total NASF | 100.0 |
| D 14 | 97,698 | 6.50 | 1.85 | 2.56 | Non-Assignable | |
| Furniture Equipment | | | _ | - | Custodial Circulation | |
| Sub-Total 'C' | 97,698 | 6.50 | 1.85 | 2.56 | Mechanical Rest Room | |
| Total Project Cost | 1,501,365 | 100.00 | 28.51 | 39.36 | Unassignable | |

22/SEP/71

NASF:

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

STUDENT SERVICES BUILDING

WA672

ADMINISTRATION NEW BUILDING

USE CATEGORY TYPE: OFFICE

GSF: NASF/GSF: 52,194 74,936 .70

7-1 04/71 300

TENDER/ESTIMATE DATE:

03/71

CONSTRUCTION TIME: 04/71 - 07/72MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---------------------------|-------------------------|
| Site Develop. (Excl.) | _ 14,943 | _ | | | Classroom | _ |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 14,540 | .70 | .20 | .29 | | |
| lite Development | 14,943 | .70 | _ | | Special Purpose | |
| 200 Development | 11,515 | .10 | .20 | .29 | Research | 0.4 |
| Indirect & Gen'l Exp | | | | | Laboratory | 1.5 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 93.2 |
| Int. Vert. Elements | | | | | Office | 55.2 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | _ | | _ | _ | Physical Education | _ |
| Cash Allowance | 35,850 | 1.70 | .48 | .69 | | |
| Built-in Equipment Architectural | | | _ | _ | Special Use | |
| Building Cost | 1,174,474 | 56.00 | 15.67 | 22.50 | Audio Visual | |
| diding Cost | 1,210,324 | 57.70 | 16.15 | 23.19 | Clinic | 1.6 |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | | |
| Iechanical | 442,725 | 21.10 | 5.91 | 8.48 | General Use | |
| | 112,720 | 21.10 | 3.31 | 0.40 | Assembly Exhibition | _ |
| Electrical | 175,621 | 8.40 | 2.34 | 3.36 | Food | |
| Fed. Sales Tax Rebate | 55,308 | 2,60 | .74 | 1.06 | Recreation | 0.3 |
| | · · | | *** | 1.00 | Recreation | 0.5 |
| ub-Total 'A' | 1,788,305 | 85.20 | 23.86 | 34.26 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 125,181 | 6.00 | 1.67 | 2.40 | Physical Plant | 3.1 |
| Miscellaneous | 53,649 | 2.60 | .72 | 1.03 | | |
| ub-Total 'B' | 170 000 | 0 #0 | | | Central Utility | _ |
| np-10tal .B. | 178,830 | 8.50 | 2.39 | 3.43 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 131,500 | 6.30 | 1.75 | 2.52 | | |
| Equipment | | _ | _ | | Non-Assignable | |
| 2 derbiicii | | | | | Custodial | |
| ub-Total 'C' | 131,500 | 6.30 | 1.75 | 2.52 | Circulation Mechanical | |
| | | | 2,,, | 2.02 | Rest Room | |
| | | | | | itest itoom | |
| otal Project Cost | 2,098,635 | 100.00 | 28.01 | 40.21 | Unassignable | |

22/SEP/71

PROJECT COST/SPACE RECORD

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

UACP CODE:

WINDSOR HALL SOUTH WING 65 ARTS ADMIN

WI003

USE CATEGORY TYPE: OFFICE

ADMINISTRATION NEW BUILDING

7-2 11/67 300 220

NASF: GSF: NASF/GSF:

61,420

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

03/66 04/66 - 08/67

37,778

.62

BUSY MARKET CONDITION:

| | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| OST ELEMENT | | .60 | .18 | .29 | Classroom | 14.7 |
| Site Develop. (Excl.) | 11,000 | | | _ | | |
| Site Develop. (Incl.) | _ | _ | | - | Special Purpose | 0.1 |
| Alter'ns & Renova'ns | 11,000 | .60 | .18 | .29 | Research | 6.1 |
| te Development | 11,000 | ••• | | | Laboratory | 31.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 45.1 |
| Exterior Cladding | | * | | | Office | -au-a |
| Int. Vert. Elements | | | | | T D | 0.2 |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | 4.50 | AC | .74 | Physical Education | _ |
| Building Equipment | 28,000 | 1.50 | .46 | .81 | I flysical Education | |
| Cash Allowance | 30,525 | 1.60 | .50 .36 | .58 | Special Use | |
| Built-in Equipment | 21,900 | 1.20 | 17.48 | 28.43 | Audio Visual | - |
| Architectural | 1,073,881 | 56.50 60.80 | 18.79 | 30.55 | Clinic | - |
| uilding Cost | 1,154,306 | 60.60 | 10.70 | 00.00 | Demonstration | _ |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 275,500 | 14.50 | 4.49 | 7,29 | Assembly | _ |
| [echanical | 275,500 | 14.50 | 11.20 | | Exhibition | _ |
| | 245,000 | 12.90 | 3.99 | 6.49 | Food | _ |
| Electrical | 66,500 | 3.50 | 1.08 | 1.76 | Recreation | _ |
| Fed. Sales Tax Rebate | 00,000 | 0.00 | 2,00 | | | |
| | 1,619,306 | 85.30 | 26.36 | 42.86 | Supporting | 2.2 |
| ub-Total 'A' | 1,010,000 | | | | Data Processing | 2.3 0.2 |
| | | | | | Shops | U.Z |
| Fees | 102,330 | 5.40 | 1.67 | 2.71 | Physical Plant | - |
| Miscellaneous | 2,485 | .10 | .04 | .07 | Control Trailites | _ |
| Migentaneous | | | | O MM | Central Utility | |
| Sub-Total 'B' | 104,815 | 5.50 | 1.71 | 2.77 | Total NASF | 100.0 |
| | | | | | Total WASP | |
| | 174,975 | 9.20 | 2.85 | 4.63 | Non-Assignable | |
| Furniture | 114,510 | | _ | | Custodial | |
| Equipment | | | | | Circulation | |
| 3.1. Mada1 6C? | 174,975 | 9.20 | 2:85 | 4.63 | Mechanical | |
| Sub-Total 'C' | | | | | Rest Room | |
| | 1,899,096 | 100.00 | 30,92 | 50.27 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER:

BUILDING TYPE: PROJECT TYPE: UACP CODE:

SUBMISSION DATE:

ADMINISTRATION

OFFICE 7-2 11/68

WINDSOR HALL TOWER N WING WI009

USE CATEGORY TYPE:

OFFICE

300

22/SEP/71

NASF: GSF: NASF/GSF:

65,952 105,617 .62

TENDER/ESTIMATE DATE:

01/64 01/64 - 01/65

CONSTRUCTION TIME: MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | 10.5 |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | - |
| Indirect & Gen'l Exp | | | | | Laboratory | 5.8 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 74.6 |
| Int. Vert. Elements | | | | | | 7.0 |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Discoulant Day of | |
| Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | 0.2 |
| Building Cost | | | | | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 514,780 | 18.00 | 4.87 | 7.81 | Assembly | _ |
| Electrical | 222 222 | | | | Exhibition | _ |
| Fed. Sales Tax Rebate | 238,300 | 8.30 | 2.26 | 3.61 | Food | 1.0 |
| Tour Sure Lan 100 Days | | | | | Recreation | 0.6 |
| ub-Total 'A' | 2,484,476 | 87.00 | 23.52 | 37.67 | Supporting | |
| | | | | | Data Processing | - |
| Fees | 152,635 | F 00 | ni A.M | 2.04 | Shops | 6.9 |
| Miscellaneous | 17,060 | 5.30 .60 | 1.45 .16 | 2.31 .26 | Physical Plant | _ |
| | 21,000 | .00 | .10 | .20 | Central Utility | _ |
| ub-Total 'B' | 169,695 | 5.90 | 1.61 | 2.57 | Central Country | |
| | | | | | Total NASF | 100.0 |
| Furniture | 202,596 | 7.10 | 1.00 | 0.08 | | |
| Equipment | | 7.10 | 1.92 | 3.07 | Non-Assignable Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 202,596 | 7.10 | 1.92 | 3.07 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,856,767 | 100.00 | 27.05 | 40.00 | Unassignable | |
| | 2,000,707 | 100.00 | 27.05 | 43.32 | Unassignable | |

22/SEP/72

PROJECT COST/SPACE RECORD

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

UACP CODE:

ATKINSON COLLEGE - PHASE 2

YO059

ADMINISTRATION NEW BUILDING

USE CATEGORY TYPE:

OFFICE

300

7-1 03/71 NASF: GSF: NASF/GSF: 31,412 49,868 .63

MARKET CONDITION:

TENDER/ESTIMATE DATE: 07/70 - 10/71CONSTRUCTION TIME:

| UBMISSION DATE: 03/71 | | | | | | |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns | | | | | Research | _ |
| ite Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 93.5 |
| Int. Vert. Elements Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes Building Equipment | 90,570 | 5,60 | 1.82 | 2.88 | Physical Education | _ |
| Cash Allowance | 11,673 | .70 | .23 | .37 | | |
| Built-in Equipment | - | _ | | - | Special Use Audio Visual | |
| Architectural | 713,767 | 44.00 | 14.31 | 22.72 | Clinic | |
| Building Cost | 816,010 | 50.30 | 16.36 | 25.98 | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. Mechanical | 343,000 | 21.10 | 6.88 | 10.92 | Assembly | _ |
| gechanicai | 0.10100 | | | | Exhibition | _ |
| Electrical | 110,742 | 6.80 | 2.22 | 3.53 | Food | |
| Fed. Sales Tax Rebate | 38,094 | 2.30 | .76 | 1.21 | Recreation | 6.5 |
| Sub-Total 'A' | 1,231,658 | 75.90 | 24.70 | 39.21 | Supporting | |
| Sub-Total A | 1,201,000 | 10,00 | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 80,062 | 4.90 | 1.61 | 2.55 | Physical Plant | |
| Miscellaneous | 36,950 | 2.30 | .74 | 1.18 | C. A. TANKA | _ |
| | | | | | Central Utility | |
| Sub-Total 'B' | 117,012 | 7.20 | 2.35 | 3.73 | Total NASF | 100.0 |
| 77 | 174,068 | 10.70 | 3.49 | 5.54 | Non-Assignable | |
| Furniture Equipment | 100,000 | 6.20 | 2.01 | 3.18 | Custodial | |
| Equipment | 200,000 | | | | Circulation | |
| Sub-Total 'C' | 274,068 | 16.90 | 5.50 | 8.72 | Mechanical Rest Room | |
| Total Project Cost | 1,622,738 | 100.00 | 32.54 | 51.66 | Unassignable | |



PROJECT NAME:

ADMINISTRATION BUILDING

PROJECT NUMBER: ER012

ADMINISTRATION

BUILDING TYPE: PROJECT TYPE: UACP CODE:

ADDITION 7-1 SUBMISSION DATE: 03/69

USE CATEGORY TYPE:

NASF:

32,226

GSF: NASF/GSF: 42,432 .76

TENDER/ESTIMATE DATE: 01/69

CONSTRUCTION TIME:

02/69 - 08/69

MARKET CONDITION:

NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 10,000 | .80 | .24 | .31 | Classroom | 23.9 |
| Site Develop. (Excl.) | 37,000 | 3.00 | .87 | 1.15 | | |
| Alter'ns & Renova'ns | 13,919 | 1.10 | .33 | .43 | Special Purpose | |
| ite Development | 60,919 | 4.90 | 1.44 | 1.89 | Research | |
| te Development | 00,020 | | | | Laboratory | 14.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| | | | | | Office | 18.5 |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Library | 17.0 |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | 4,000 | .30 | .09 | .12 | Physical Education | _ |
| Building Equipment | * " | 1.10 | .31 | .40 | | |
| Cash Allowance | 13,000 | - | -01 | _ | Special Use | |
| Built-in Equipment | | 34.50 | 10.05 | 13.23 | Audio Visual | |
| Architectural | 426,268 | 35.90 | 10.45 | 13.75 | Clinic | _ |
| Building Cost | 443,268 | 30.90 | 10.45 | 10.70 | Demonstration | _ |
| Plumbing & Drains | | | | | 0 | |
| Heat, Vent. & Cond. | | | | | General Use | _ |
| Mechanical | 165,000 | 13.30 | 3.89 | 5.12 | Assembly | _ |
| | | | | | Exhibition | 18.7 |
| Electrical | 87,000 | 7.00 | 2.05 | 2.70 | Food | 10.7 |
| Fed. Sales Tax Rebate | 19,576 | 1.60 | .46 | .61 | Recreation | |
| Sub-Total 'A' | 736,611 | 59.60 | 17.36 | 22.86 | Supporting | |
| Sub-Total 'A' | 750,011 | 00.00 | | | Data Processing | _ |
| | | | | | Shops | . |
| 77 | 25,000 | 2.00 | .59 | .78 | Physical Plant | 7.5 |
| Fees | 25,000 | _ | _ | | | |
| Miscellaneous | | | | | Central Utility | _ |
| 2 | 25,000 | 2.00 | .59 | .78 | | |
| Sub-Total 'B' | 20,000 | 2.00 | | | Total NASF | 99.9% |
| | 000.000 | 1 11 00 | 4.94 | 6.51 | Non-Assignable | |
| Furniture | 209,800 | 17.00 | | 8.22 | Non-Assignable Custodial | |
| Equipment | 265,000 | 21.40 | 6.25 | 0.44 | | |
| | | 00.40 | 11 10 | 14.73 | Circulation | |
| Sub-Total 'C' | 474,800 | 38.40 | 11.19 | 14.73 | Mechanical Rest Room | |
| | | | | | | |
| Total Project Cost | 1,236,411 | 100,00 | 29.14 | 38.37 | Unassignable | |

PROJECT NAME:

STEVENSON HALL ADDITION 1965

PROJECT NUMBER: WE014 BUILDING TYPE:

ADMINISTRATION

PROJECT TYPE:

ADDITION

UACP CODE: 7-2 SUBMISSION DATE: 02/66

USE CATEGORY TYPE:

NASF: GSF:

13,767 21,228 .65

NASF/GSF:

TENDER/ESTIMATE DATE: 02/66 CONSTRUCTION TIME: 03/66 - 05/67

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
| Site Development | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 20.5 |
| Int. Vert. Elements | | | | | Office | 98.5 |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | Dibiary | and a |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| Building Cost | | | | | Clinic | _ |
| Discoulation of C. Don't | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. Mechanical | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| Electrical | | | | | Exhibition | |
| Fed. Sales Tax Rebate | | | | | Food | |
| Tou. Sales I an Itebate | | | | 4.0 | Recreation | _ |
| Sub-Total 'A' | 634,648 | 83.00 | 29.90 | 46.10 | Supporting | |
| | .55 1,6 16 | 50.00 | 20.00 | 40.10 | Data Processing | 9.5 |
| | | | | | Shops | 9. 5 |
| Fees | 37,392 | 4.90 | 1.76 | 2.72 | Physical Plant | _ |
| Miscellaneous | 28,717 | 3.80 | 1.35 | 2.09 | * ** J 516-01 1 10111V | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 66,109 | 8.60 | 3.11 | 4.80 | | |
| | | | | | Total NASF | 100.0% |
| • | | | | | | |
| Furniture | 63,773 | 8.30 | 3.00 | 4.63 | Non-Assignable | |
| Equipment | _ | _ | _ | - | Custodial | |
| Cub Matal (C) | | | | | Circulation | |
| Sub-Total 'C' | 63,773 | 8.30 | 3.00 | 4.63 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 764 500 | 100.00 | | | | |
| Total Project Cost | 764,530 | 100.00 | 36.02 | 55.53 | Unassignable | |
| | | | | | | |
| | | | | | | |

PROJECT NAME:

STEVENSON—LAWSON BRIDGE BLDG ADD

PROJECT NUMBER: WE037

USE CATEGORY TYPE:

BUILDING TYPE: ADMINISTRATION PROJECT TYPE:

ADDITION

UACP CODE:

7--1 SUBMISSION DATE: 04/71 NASF: GSF:

10,964

NASF/GSF:

20,777

TENDER/ESTIMATE DATE: 04/71

CONSTRUCTION TIME: MARKET CONDITION:

05/71 - 12/71NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|--------------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | |
| Site Develop. (Incl.) | 9,800 | 1.50 | .47 | .89 | | |
| Alter'ns & Renova'ns | 24.000 | 3.60 | 1.16 | 2.19 | Special Purpose | |
| Site Development | 33,800 | 5.00 | 1.63 | 3.08 | Research | |
| • | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.66 | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | 69.2 |
| Multi-Storey Elements | | | | | Library | 69.2 |
| Interior Finishes | 1.000 | .20 | .07 | .12 | Physical Education | |
| Building Equipment | 1,369 | 1.00 | .34 | .65 | Tilysical Education | |
| Cash Allowance | 7,083 | - | | _ | Special Use | |
| Built-in Equipment | | 53.10 | 17.26 | 32.71 | Audio Visual | 7.7 |
| Architectural | 358,637 367,089 | 54.40 | 17.67 | 33.48 | Clinic | <u></u> |
| Building Cost | 367,089 | 54.40 | 17.07 | 00.40 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 139,492 | 20.70 | 6.71 | 12.72 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 60,725 | 9.00 | 2.92 | 5.54 | Food | _ |
| Fed. Sales Tax Rebate | 18,036 | 2.70 | .87 | 1.65 | Recreation | _ |
| Sub-Total 'A' | 583,070 | 86.30 | 28.06 | 53.18 | Supporting | |
| Sub-Total A | 565,676 | 00.00 | 20.00 | | Data Processing | 23.1 |
| | | | | | Shops | _ |
| Fees | 40,830 | 6.00 | 1.97 | 3.72 | Physical Plant | - |
| Miscellaneous | 17,500 | 2.60 | .84 | 1.60 | | |
| Mincollant | , | | | | Central Utility | _ |
| Sub-Total 'B' | 58,330 | 8.60 | 2.81 | 5.32 | | |
| | | | | | Total NASF | 100.0% |
| 70 | 34,000 | 5.00 | 1.64 | 3.10 | Non-Assignable | |
| Furniture | 34,000 | - | _ | _ | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 34,000 | 5.00 | 1.64 | 3.10 | Mechanical | |
| Sub-Total C | 01,000 | | | | Rest Room | |
| Total Project Cost | 675,400 | 100.00 | 32.51 | 61.60 | Unassignable | |
| | | | | | | |

PROJECT NAME:

WINDSOR HALL NTH WING EXT

PROJECT NUMBER: WI031 BUILDING TYPE:

ADMINISTRATION

PROJECT TYPE:

ADDITION

7-1

UACP CODE: SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF: GSF:

14,300 24,950 .57

NASF/GSF:

TENDER/ESTIMATE DATE: 09/68

CONSTRUCTION TIME: 10/68 - 07/69

MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | | _ | Classroom | 27.2 |
| Site Develop, (Incl.) | 9,556 | 1.30 | .38 | .67 | | m v 0 20 |
| Alter'ns & Renova'ns | 13,453 | 1.80 | .54 | .94 | Special Purpose | |
| Site Development | 23,009 | 3.00 | .92 | 1.61 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 72.7 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 34,735 | 4.60 | 1.39 | 2.43 | Physical Education | - |
| Cash Allowance | 2,500 | .30 | .10 | .17 | | |
| Built-in Equipment | 1,139 | .10 | .05 | .08 | Special Use | |
| Architectural | 386,169 | 50.80 | 15.48 | 27.00 | Audio Visual | _ |
| building Cost | 424,543 | 55.90 | 17.02 | 29.69 | Clinic | dilate |
| | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 104,366 | 13.70 | 4.18 | 7.30 | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | 72,900 | 9.60 | 2.92 | 5.10 | Food | |
| Fed. Sales Tax Rebate | 24,993 | 3.30 | 1.00 | 4.75 | Recreation | |
| ub-Total 'A' | 599,825 | 78.90 | 24.04 | 41.95 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | man. |
| Fees | 38,487 | 5.10 | 1.54 | 2.69 | Physical Plant | |
| Miscellaneous | 21,495 | 2.80 | .86 | 1.50 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 59,982 | 7.90 | 2.40 | 4.19 | | |
| | | | | | Total NASF | 99.9% |
| Furniture | 90,000 | 11.80 | 3,61 | 6.29 | Non-Assignable | |
| Equipment | 10,000 | 1.30 | .40 | .70 | Custodial | |
| | · · | | | | Circulation | |
| ub-Total 'C' | 100,000 | 13.20 | 4.01 | 6.99 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 759,807 | 100.00 | 30.45 | 53.13 | Unassignable | |



GU 4 / Crops Science, Herbicide Building - 1965

Herbert Agnew Associates, Architect



PROJECT NAME: PROJECT NUMBER: CA065

ADMINISTRATION BUILDING - ALTER. USE CATEGORY TYPE:

BUILDING TYPE: ADMINISTRATION ALTERATION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 02/71

NASF:

GSF: NASF/GSF:

TENDER/ESTIMATE DATE: 02/71

12,973

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | |
| Site Develop. (Excl.) | 3,019 | 1.70 | _ | .23 | | |
| Alter'ns & Renova'ns | | _ | | _ | Special Purpose | 45.4 |
| Site Development | 3,019 | 1.70 | | .23 | Research | 12.4 |
| Site Development | · | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.00 | 80.6 |
| Exterior Cladding | | | | | Office | 80.0 |
| Int. Vert. Elements | | | | | ¥ 13 | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment | | | | | Filysical Education | |
| Cash Allowance | | | | | Special Use | |
| Built-in Equipment | | | | 6.14 | Audio Visual | 7.0 |
| Architectural | 79,705 | 46.10 | _ | 6.14 | Clinic | _ |
| Building Cost | 79,705 | 46.10 | | 0.14 | Demonstration | - |
| | | | | | | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | | | | Assembly | _ |
| Mechanical | | | | | Exhibition | - |
| | | | | | Food | _ |
| Electrical | | | | | Recreation | _ |
| Fed. Sales Tax Rebate | | | | | | |
| Sub-Total 'A' | 82,724 | 47.80 | _ | 6.38 | Supporting | |
| Sub-Total A | 02,121 | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 8,272 | 4.80 | _ | .64 | Physical Plant | _ |
| Miscellaneous | 2,482 | 1.40 | _ | .19 | 0 1 177722 | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 10,754 | 6.20 | | .83 | Total NASF | 100.0% |
| | | | | | Total NASE | 2000 |
| | | 44.00 | | 1.47 | Non-Assignable | |
| Furniture | 19,104 | 11.00 | | 4.66 | Custodial | |
| Equipment | 60,500 | 35.00 | | 7.00 | Circulation | |
| | 70.004 | 46.00 | - | 6.14 | Mechanical | |
| Sub-Total 'C' | 79,604 | 40.00 | · · | 0,2.2 | Rest Room | |
| | | | | | | |
| Total Project Cost | 173,082 | 100.00 | _ | 13.34 | Unassignable | |
| Total Project Cost | 173,082 | 100.00 | | =0.02 | | |

PROJECT NAME:

ALTERATIONS FOR ADMIN STAGING

PROJECT NUMBER: QU046

SUBMISSION DATE: 07/69

USE CATEGORY TYPE:

NASF: GSF:

25.817

BUILDING TYPE:

ADMINISTRATION ALTERATION

NASF/GSF: TENDER/ESTIMATE DATE: 01/67 34,693 .74

PROJECT TYPE: UACP CODE:

7-2

CONSTRUCTION TIME:

01/67 - 01/68

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|-----------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | - |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Dive Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int, Vert, Elements | | | | | Office | |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | | | | | Clinic Demonstration | - |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | | | | | Food | _ |
| Fed. Sales Tax Rebate | | | | ** | Recreation | |
| Sub-Total 'A' | 76,249 | 73.90 | 2.20 | 2.95 | Supporting | |
| Sub-Total A | 10,240 | 10.50 | 2.20 | 2.00 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 4,575 | 4.40 | .13 | .18 | Physical Plant | |
| Miscellaneous | 2,287 | 2.20 | .07 | .09 | Central Utility | _ |
| C 1 m (1 (n) | 0.000 | 0.70 | .20 | .27 | Central Othity | |
| Sub-Total 'B' | 6,862 | 6.70 | .20 | .21 | Total NASF | 0.0% |
| Furniture | 20,000 | 19.40 | .58 | .77 | Non-Assignable | |
| Equipment | | _ | _ | _ | Custodial | |
| 7 | | | | | Circulation | |
| Sub-Total 'C' | 20,000 | 19.40 | .58 | .77 | Mechanical Rest Room | |
| Total Project Cost | 103,111 | 100.00 | 2.97 | 3.99 | Unassignable | |
| | | | | | | |

PROJECT NAME:

ALTERATIONS FOR ADMIN STAGING USE CATEGORY TYPE:

PROJECT NUMBER: QU077

ADMINISTRATION ALTERATION

BUILDING TYPE: PROJECT TYPE:

7-2

UACP CODE: SUBMISSION DATE: 02/70 NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 01/68

8,235

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|-----------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Excl.) | | | | | 0 1 1 5 | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| ite Development | | | | | Laboratory | |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | m | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | Special Use | |
| Built-in Equipment | | | | | Audio Visual | - |
| Architectural | | | | | Clinic | _ |
| uilding Cost | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | _ |
| Mechanical | | | | | Assembly | |
| Iccitatical | | | | | Exhibition | _ |
| Electrical | | | | | Food Recreation | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | |
| | | 00.50 | _ | 9.77 | Supporting | |
| Sub-Total 'A' | 80,517 | 83.50 | | 3.11 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 4,831 | 5.00 | _ | .59 | Physical Plant | |
| Miscellaneous | 2,416 | 2.50 | - | .29 | | |
| Miscellancous | · | | | | Central Utility | |
| Sub-Total 'B' | 7,247 | 7.50 | - | .88 | Total NASF | 0.0% |
| | | | | | I Otal WAST | |
| | 8,700 | 9.00 | _ | 1.06 | Non-Assignable | |
| Furniture | 8,700 | - | _ | _ | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 8,700 | 9.00 | - , | 1.06 | Mechanical | |
| oun-total C | -, -, - | | | | Rest Room | |
| | | | | | Unassignable | |
| Total Project Cost | 96,464 | 100.00 | - | 11.71 | Ullassigilable | |

20,948

PROJECT COST/SPACE RECORD

PROJECT NAME:

ALTERATIONS FOR ADMINISTRATIVE STAGING

PROJECT NUMBER: QU079 BUILDING TYPE:

ADMINISTRATION

PROJECT TYPE:

ALTERATION

UACP CODE:

7-1 SUBMISSION DATE: 03/70 NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 07/69

CONSTRUCTION TIME:

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns te Development | | | | | Special Purpose | |
| te Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | nageter. |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Diorary | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | i ii y sicui Daucution | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| lding Cost | | | | | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| chanical | | | | | Assembly | - |
| | | | | | Exhibition | _ |
| Electrical | | | | | Food | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| o-Total 'A' | 222,192 | 100.00 | | 10.61 | Supporting | |
| | , | 100100 | | 10,01 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | |
| -Total 'B' | | | | | Central Utility | _ |
| -10tal B | | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| - T-1-1(C) | | | | | Circulation | |
| b-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| al Project Cost | 222,192 | 100.00 | _ | 10.61 | Unassignable | |
| | | | | | | |

USE CATEGORY TYPE:

PROJECT NAME:

ALTERATIONS FOR ADMINISTRATIVE STAGING

PROJECT NUMBER: QU086

USE CATEGORY TYPE:

NASF: GSF:

27,943

BUILDING TYPE:

ADMINISTRATION

NASF/GSF: TENDER/ESTIMATE DATE: 04/70

PROJECT TYPE:

7-1

ALTERATION

CONSTRUCTION TIME:

05/70 - 04/71

UACP CODE: SUBMISSION DATE: 03/71

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------|--|
| | | | | | Classroom | - |
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | and the same of th |
| Site Development | | | | | Research | _ |
| Disc Development | | | | | Laboratory Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Dab | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment | | | | | | |
| Cash Allowance Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | audio |
| Building Cost | | | | | Clinic | |
| Building Cost | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat, Vent. & Cond. | | | | | Assembly | _ |
| Mechanical | | | | | Exhibition | _ |
| | | | | | Food | _ |
| Electrical | | | | | Recreation | |
| Fed. Sales Tax Rebate | | | | | 10020 | |
| | 159,854 | 89.20 | | 5.72 | Supporting | |
| Sub-Total 'A' | 109,804 | 05.20 | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | _ |
| Miscenaneous | | | | | Central Utility | |
| Sub-Total 'B' | | | | | Total NASF | 0.0% |
| | | | | | Total NASP | |
| | | 40.00 | | .70 | Non-Assignable | |
| Furniture | 19,448 | 10.80 | | | Custodial | |
| Equipment | | | | | Circulation | |
| | 10.449 | 10.80 | | .70 | Mechanical | |
| Sub-Total 'C' | 19,448 | 10.00 | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 179,302 | 100.00 | _ | 6.42 | Unassignable | |
| Total Project Cost | 210,00 | | | | | |
| | | | | | | |



PROJECT NAME: BORDE PROJECT NUMBER: TO042

BORDEN GARAGE CONVERSION - BOOK

USE CATEGORY TYPE:

NASF: GSF: 11,780 17,540 .67

BUILDING TYPE: PROJECT TYPE: ADMINISTRATION RENOVATION

TENDER/ESTIMATE DATE: 07/66
CONSTRUCTION TIME: 07/66
MARKET CONDITION: NORM

NASF/GSF:

07/66 - 10/66 NORMAL

UACP CODE: 7–1 SUBMISSION DATE: 04/68

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|-----------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | **** |
| Site Develop. (Incl.) Alter'ns & Renova'ns Site Development | | | | | Special Purpose Research Laboratory | Ξ |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements Exterior Cladding Int. Vert, Elements | | | | | Office | - |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment Architectural | | | | | Special Use Audio Visual | _ |
| Building Cost | | | | | Clinic Demonstration | _ |
| Plumbing & Drains Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly Exhibition | |
| Electrical Fed. Sales Tax Rebate | | | | | Food Recreation | Ξ |
| Sub-Total 'A' | 101,351 | 70.00 | 5.78 | 8.60 | Supporting Data Processing | _ |
| | | | | | Shops Physical Plant | |
| Fees Miscellaneous | | | | | Central Utility | entrem |
| Sub-Total 'B' | | | | | Total NASF | 0.0% |
| Furniture | 43,523 | 30.00 | 2.48 | 3.69 | Non-Assignable | |
| Equipment | | _ | - | _ | Custodial Circulation | |
| Sub-Total 'C' | 43,523 | 30.00 | 2.48 | 3.69 | Mechanical Rest Room | |
| Total Project Cost | 144,874 | 100.00 | 8.26 | 12.30 | Unassignable | |
| 2000-2000-0000 | 200,0 | | | | | |

Arts Buildings

It will be noted that no percentage space breakdowns exist for the following projects:

LA 02

SC 02

WI 10

These projects were begun before the Department of University Affairs was in existence—consequently, a facility analysis detail—or space breakdown do not exist for them as projects. It is a fact that the OUPRS (Ontario Universities Physical Resources Survey) provides a space use categorization for the building but it is not possible to interface, with accuracy, the building as it exists in 1969 with the project as it existed prior to 1964—consequently, no space percentage breakdown is provided.

PROJECT NAME: SOCIAL SCIENCE BLDG — ARTS 2 (LOEB) 1965
PROJECT NUMBER: CA013 USE CATEGORY TYPE:

PROJECT NUMBER: CA013
BUILDING TYPE: ARTS

ARTS NEW BUILDING

PROJECT TYPE: NEW BUILDIN UACP CODE: 7-2

SUBMISSION DATE: 02/70

22/SEP/71

NASF:

GSF: NASF/GSF:

03/66

TENDER/ESTIMATE DATE:

04/66 - 08/67

107,868

240,217

.45

CONSTRUCTION TIME: 04/66 - 08
MARKET CONDITION: NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 14.6 |
| Site Develop. (Incl.) | 79,000 | .90 | .33 | .73 | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | 79,000 | .90 | .33 | .73 | Research | 3.6 |
| | | | | | Laboratory | 38.1 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 32.6 |
| Exterior Cladding | | | | | Office | 32.6 |
| Int. Vert. Elements | | | | | | 3.9 |
| Multi-Storey Elements | | | | | Library | 3.9 |
| Interior Finishes | | | | | n | |
| Building Equipment | 232,000 | 2.70 | .97 | 2.15 | Physical Education | - |
| Cash Allowance | | _ | | _ | 0 1 1 77 | |
| Built-in Equipment | 26,000 | .30 | .11 | .24 | Special Use Audio Visual | _ |
| Architectural | 4,742,277 | 56.00 | 19.74 | 43.96 | Clinic | |
| Building Cost | 5,000,277 | 59.10 | 20.82 | 46.36 | Demonstration | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | 4 11 00 | 0.00 | 14.02 | Assembly | |
| Mechanical | 1,511,949 | 17.90 | 6.29 | 14.02 | Exhibition | _ |
| | | # #A | 2.73 | 6.07 | Food | 1.4 |
| Electrical | 654,774 | 7.70 | | 2.69 | Recreation | 5.0 |
| Fed. Sales Tax Rebate | 289,840 | 3.40 | 1.21 | 2.09 | itecication | 0.10 |
| | 0.050.100 | 82,20 | 28.96 | 64.49 | Supporting | |
| Sub-Total 'A' | 6,956,160 | 02.20 | 20,50 | 04.40 | Data Processing | 0.5 |
| | | | | | Shops | 0.3 |
| | 434.760 | 5.10 | 1.81 | 4.03 | Physical Plant | _ |
| Fees | 242,718 | 2.90 | 1.01 | 2.25 | | |
| Miscellaneous | 242,710 | 2,50 | 1.01 | 2.20 | Central Utility | _ |
| 1 7 4 3 472 | 677,478 | 8.00 | 2,82 | 6,28 | | |
| Sub-Total 'B' | 011,410 | 0.00 | 2.02 | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 384,166 | 4.50 | 1.60 | 3.56 | Non-Assignable | |
| Equipment | 447,505 | 5.30 | 1.86 | 4.15 | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 831,671 | 9.80 | 3:46 | 7.71 | Mechanical | |
| oud rour C | 002,012 | | | | Rest Room | |
| | 0 405 900 | 100.00 | 35.24 | 78.48 | Unassignable | |
| Total Project Cost | 8,465,309 | 100.00 | 30,24 | 10,70 | O | |

LABORATORY

220 300

PROJECT NAME: PROJECT NUMBER:

SUBMISSION DATE:

ARTS I — 69

BUILDING TYPE: PROJECT TYPE: UACP CODE: CA049 ARTS NEW BUILDING 7-1

02/70

USE CATEGORY TYPE:

OFFICE

300 220

22/SEP/71

NASF:

GSF: NASF/GSF: 110,274 183,082 .60

TENDER/ESTIMATE DATE: 11/69
CONSTRUCTION TIME: 01/70 - 06/71
MARKET CONDITION: SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|-----------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | | _ | | _ | Classroom | 16.4 |
| Site Develop. (Incl.) | 364,846 | 5.40 | 1.99 | 3.31 | | |
| Alter'ns & Renova'ns | _ | | | π | Special Purpose | |
| ite Development | 364,846 | 5.40 | 1.99 | 3.31 | Research | _ |
| Today 4 0 Co N.D. | | | | | Laboratory | 31.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Office | 49.7 |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | 1.5 |
| Building Equipment | 25,260 | .40 | .14 | 0.0 | 701 1 1 70 1 11 | |
| Cash Allowance | 225,628 | 3.40 | 1.23 | .23 | Physical Education | |
| Built-in Equipment | 223,628 | 3.40 | 1.23 | 2.05 | 0-1177 | |
| Architectural | 3,072,986 | 45.90 | 16.78 | 27.87 | Special Use | |
| uilding Cost | 3,323,874 | 49.60 | 18.16 | 30.14 | Audio Visual | |
| anding cost | 0,020,014 | 49.00 | 10.10 | 30.14 | Clinic Demonstration | - |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent. & Cond. | | | | | General Use | |
| echanical | 990,387 | 14.80 | 5.41 | 8.98 | Assembly | |
| | 000,001 | 14.00 | 0.71 | 0.30 | Exhibition | _ |
| Electrical | 505,343 | 7.50 | 2.76 | 4.58 | Food | _ |
| Fed. Sales Tax Rebate | 144,588 | 2.20 | .79 | 1.31 | Recreation | - |
| a cui cuico fun icocuic | 111,000 | 2.20 | . 1 0 | 1.01 | Recleation | |
| ub-Total 'A' | 5,039,862 | 75.30 | 27.53 | 45.70 | Supporting | |
| | 2,000,000 | | =1,00 | 20.10 | Data Processing | 0,5 |
| | | | | | Shops | 0.5 — |
| Fees | 352,790 | 5.30 | 1.93 | 3.20 | Physical Plant | _ |
| Miscellaneous | 151,196 | 2.30 | .83 | 1.37 | I IN J SAUGE I IGEE | |
| | | | ••• | | Central Utility | _ |
| ab-Total 'B' | 503,986 | 7.50 | 2.75 | 4.57 | o tarting of tarty | |
| | | | | | Total NASF | 100.0 |
| Furniture | 688,445 | 10.30 | 3.76 | 6.24 | Non-Assignable | |
| Equipment | 463,382 | 6.90 | 2.53 | 4.20 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 1,151,827 | 17.20 | 6.29 | 10.45 | Mechanical | |
| | .,, | | | | Rest Room | |
| otal Project Cost | 6,695,675 | 100.00 | 36.57 | 60.72 | Unassignable | |

PROJECT NAME:

ARTS I 65

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

GU002 ARTS

NEW BUILDING

UACP CODE: 7-2 12/68 SUBMISSION DATE:

22/SEP/71

NASF: GSF:

109,864 215,053

NASF/GSF:

.51

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

11/65 12/65 - 08/67NORMAL

| Shops | % OF TOTAL Y NASF AREA |
|--|---------------------------|
| Site Develop. (Inch.) | 41.2 |
| After'ns & Renova'ns Site Development 104,282 1.80 .48 .95 Resear Labora Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance Building Equipment 3,124,569 3,313,760 Plumbing & Drains Heat. Vent. & Cond. Mechanical 1,193,838 20.40 5.55 10.87 Assen Exterior Building Cost Ceneral Use Assen Exterior Building Agentine Plumbing & Drains Heat. Vent. & Cond. Mechanical 1,193,838 20.40 5.55 10.87 Assen Exhibit Electrical Fed. Sales Tax Rebate 227,452 3.90 1.06 2.07 Recre Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Datal Shopp Physical Edu Clinic Demo General Use Assen Exhibit Demo General Use Assen Exhibit Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Datal Shopp Physical Sub-Total 'B' Central Utili Central Utili Control Utili Control Contro | |
| Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Multi-Storey Elements Horizontal Elements Library Physical Edu Cash Allowance 21,106 | 1.0 |
| Indirect & Gen'l Exp Substructure | |
| Substructure | y Lab |
| Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes 87,220 1.50 .41 .79 Physical Edu Cash Allowance 80,865 1.40 .38 .74 .79 Electrical 81,106 .40 .10 .19 Special Use Architectural 3,124,569 53.50 14.53 28.44 Audio Clinical Clinical Clinical Clinical Electrical 422,328 7.20 1.96 3.84 Exhib Electrical 422,328 7.20 1.96 3.84 Food Fed. Sales Tax Rebate 227,452 3.90 1.06 2.07 Recression Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Data Sub-Total 'B' 404,643 6.90 1.88 3.68 Food Sub-Total 'B' 404,643 6.90 3.84 Food Sub-Total 'B' 404,643 6.90 3.84 Food Formiture 509,983 8.70 2.37 4.64 Non-Assignation Sub-Total 'B' 404,643 6.90 3.86 Food Sub-Total 'B' 404,644 6.90 3.86 Food 5.75 Month Sub-Total 'B' 404,643 6.90 3.86 Food 5.75 Month Sub-Total 'B' 404,644 6.90 3.86 Food 5.75 M | et Lab |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance Built-in Equipment Architectural Built-in Equipment Built-in Equipment Architectural Built-in Equipment Built-in Equipment Architectural Built-in Equipment Built-in | |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance Built-in Equipment Architectural Architectur | 26.2 |
| Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance Built-in Equipment Architectural Architectural Built-in Equipment Architectural Architectural Built-in Equipment Architectural Architectural Built-in Equipment Architectural Built-in Equipment Architectural Built-in Equipment Architectural Built-in Equipment Architectural Architectural Built-in Equipment Architectural Built-in Equipment Architectural Built-in Equipment Buil | |
| Interior Finishes | 1.9 |
| Building Equipment | |
| Cash Allowance 80,865 1.40 .38 .74 .74 .74 .74 .74 .10 .19 .19 .74 .74 .74 .74 .75 . | ion — |
| Built-in Equipment | |
| Architectural 3,124,569 53.50 14.53 28.44 Audio Suilding Cost 3,313,760 56.70 15.41 30.16 Clinic Demo Plumbing & Drains Heat. Vent. & Cond. | . 0.1 |
| Building Cost 3,313,760 56.70 15.41 30.16 Clinic Demo | |
| Plumbing & Drains Heat. Vent. & Cond. Mechanical 1,193,838 20.40 5.55 10.87 Assers Exhib Electrical Fed. Sales Tax Rebate 227,452 3.90 1.06 2.07 Recre Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Data I Shops Fees Miscellaneous 44,548 .80 .21 .41 Central Utili Sub-Total 'B' 404,643 6.90 1.88 3.68 Furniture | |
| Heat. Vent. & Cond. | ration |
| Heat, Vent. & Cond. | |
| Mechanical 1,193,838 20.40 3.35 Exhibit Exhibit Electrical 422,328 7.20 1.96 3.84 Food Fed. Sales Tax Rebate 227,452 3.90 1.06 2.07 Recression Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Data Shops Fees 360,095 6.20 1.67 3.28 Physical Physical Physical Sub-Total 'B' 404,643 6.90 1.88 3.68 Total NASF Furniture 509,983 8.70 2.37 4.64 Non-Assignation Furniture 509,983 8.70 2.37 4.64 Non-Assignation Custo Circu Mechanical Mechanic | 0.9 |
| Electrical | , |
| Electrical | 1.1 |
| Fed. Sales Tax Rebate 227,452 5.90 1.00 2.01 Sub-Total 'A' 4,806,756 82.30 22.35 43.75 Supporting Datal Shops Fees 360,095 6.20 1.67 3.28 Physic Algorithms Algorith | |
| Data Shops Fees 360,095 6.20 1.67 3.28 Physis Niscellaneous 44,548 .80 .21 .41 Central Utilis Sub-Total 'B' 404,643 6.90 1.88 3.68 Total NASF Furniture 509,983 8.70 2.37 4.64 Non-Assigna Equipment 121,433 2.10 .56 1.11 Custo Circu Monham Circu Circu Monham Circu Monham Circu Circu Monham Circu Circu Circu Monham Circu Circu Monham Circu Circu Circu Monham Circu Circ | 2017 |
| Data Shops Fees 360,095 6.20 1.67 3.28 Physis Miscellaneous 44,548 .80 .21 .41 Central Utilis Sub-Total 'B' 404,643 6.90 1.88 3.68 Total NASF Furniture 509,983 8.70 2.37 4.64 Non-Assigna Furniture 5121,433 2.10 .56 1.11 Custo Circu Month Circu Circu Month Circu Month Circu Circu Circu Month Circu Ci | |
| Shops | cessing — |
| Fees 360,095 6.20 1.01 3.12 3.12 4.1 Central Utili Sub-Total 'B' 404,643 6.90 1.88 3.68 Total NASF Furniture 509,983 8.70 2.37 4.64 Non-Assigna Custom Equipment 121,433 2.10 .56 1.11 Custom Circu Mosh | 0.2 |
| Niscellaneous Add,643 | Plant - |
| Central Utility | |
| Furniture 509,983 8.70 2.37 4.64 Non-Assigna Equipment 121,433 2.10 .56 1.11 Custo Circu | - |
| Total NASF Furniture 509,983 8.70 2.37 4.64 Non-Assigna Equipment 121,433 2.10 .56 1.11 Custo Circu | 100.0 |
| Furniture 505,965 6.70 2.51 1.11 Custo Circu | 100.0 |
| Furniture 505,965 6.70 2.50 1.11 Custo Circu | |
| Equipment 121,433 2.10 .00 Circu | |
| Moch Moch | |
| Cub Total (C) 631.416 10.80 2.94 5.75 Mech | |
| Sub-Total 'C' 631,416 10.80 2.94 5.75 Rest | om |
| Total Project Cost 5,842,815 100.00 27.17 53.18 Unassignable | |

USE CATEGORY TYPE:

CLASSROOM

100 300

PROJECT NAME: ACADEMIC BUILDING

PROJECT NUMBER: LH032 BUILDING TYPE: ARTS

PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE:

04/71

USE CATEGORY TYPE:

CLASSROOM

100 220

22/SEP/71

NASF: GSF: NASF/GSF: 42,917 72,783 .59

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

03/71 04/71 - 08/72

MARKET CONDITION:

| BUSY |
|------|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|---------------------|-----------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 59.6 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Control Down | |
| lite Development | | | | | Special Purpose Research | |
| ite Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | _ |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 28.4 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | - | 1.40 | - | | Physical Education | mater |
| Cash Allowance | 35,000 | 1.40 | .48 | .82 | Control VV | |
| Built-in Equipment Architectural | 40,000 1,214,000 | 1.60 48.30 | .55 16.68 | .93 28.29 | Special Use Audio Visual | |
| uilding Cost | 1,289,000 | 51.30 | 17.71 | 30.03 | Clinic | - |
| unding Cost | 1,265,000 | 31.30 | 11.11 | 30.03 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Iechanical | 489,100 | 19.50 | 6.72 | 11.40 | Assembly | _ |
| | | 20.00 | ···- | 22120 | Exhibition | _ |
| Electrical | 268,300 | 10.70 | 3.69 | 6.25 | Food | _ |
| Fed. Sales Tax Rebate | 61,400 | 2.40 | .84 | 1.43 | Recreation | 11.5 |
| ub-Total 'A' | 1,985,000 | 79.00 | 27.27 | 46.25 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | 0.5 |
| Fees | 155,000 | 6.20 | 2.13 | 3.61 | Physical Plant | _ |
| Miscellaneous | 73,400 | 2.90 | 1.01 | 1.71 | | |
| -1- m-4-1 (n) | 222 422 | 0.40 | 0.44 | F 00 | Central Utility | |
| ub-Total 'B' | 228,400 | 9.10 | 3.14 | 5.32 | Total NASF | 100.0 |
| Furniture | 050.000 | 0.00 | 0.40 | * 00 | Non-Assignable | |
| Equipment | 250,000 50,000 | 9.90 2.00 | 3.43 | 5.83 | Custodial | |
| Equipment | 50,000 | 2.00 | .69 | 1.17 | Circulation | |
| ub-Total 'C' | 300,000 | 11.90 | 4.12 | 6.99 | Mechanical | |
| | 000,000 | 11.00 | 7.12 | 0.33 | Rest Room | |
| otal Project Cost | 2,513,400 | 100.00 | 34.53 | 58.56 | Unassignable | |

ARTS & HUMANITIES BUILDING - 65

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

LA002 ARTS USE CATEGORY TYPE:

CLASSROOM

PROJECT TYPE: UACP CODE: SUBMISSION DATE: NEW BUILDING 7-2 06/68

100

22/SEP/71

NASF: GSF: 27,356 49,867

NASF/GSF:

.55

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

 $05/63 \\ 05/63 - 10/64$

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 48,661 | 4.10 | .98 | 1.78 | Classroom | |
| Site Develop. (Incl.) | | | _ | | | |
| Alter'ns & Renova'ns | _ | _ | - | _ | Special Purpose | |
| ite Development | 48,661 | 4.10 | .98 | 1.78 | Research | |
| the Development | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| | | | | | Library | |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | _ | _ | Physical Education | |
| Building Equipment | 27,743 | 2.40 | .56 | 1.01 | | |
| Cash Allowance | 21,140 | _ | _ | _ | Special Use | |
| Built-in Equipment | | | | | Audio Visual | |
| Architectural | 1,104,568 | 93.80 | 22.15 | 40.38 | Clinic | |
| Building Cost | 1,104,500 | 30.50 | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | | | | Assembly | |
| Mechanical | | | | | Exhibition | |
| | | | | | Food | |
| Electrical | | | .92 | 1.67 | Recreation | |
| Fed. Sales Tax Rebate | 45,737 | 3.90 | .92 | 1.07 | Recreation | |
| Sub-Total 'A' | 1,107,492 | 94.00 | 22.21 | 40.48 | Supporting | |
| Sub-Total A | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 66,608 | 5.70 | 1.34 | 2.43 | Physical Plant | |
| | 995 | .10 | .02 | .04 | | |
| Miscellaneous | | | | | Central Utility | |
| 0 1 7 4 1 4 12 2 | 67,603 | 5.70 | 1.36 | 2.47 | | |
| Sub-Total 'B' | 0.1000 | | | | Total NASF | |
| | 0.000 | .30 | .06 | .11 | Non-Assignable | |
| Furniture | 2,966 | .30 | _ | - | Custodial | |
| Equipment | _ | | | | Circulation | |
| | 0.022 | .30 | .06 | .11 | Mechanical | |
| Sub-Total 'C' | 2,966 | .30 | .00 | | Rest Room | |
| m | 1,178,061 | 100.00 | 23.62 | 43.06 | Unassignable | |
| Total Project Cost | 1,110,001 | 100.00 | | | | |

22/SEP/71

PROJECT NAME:

HUMANITIES & SOCIAL SCIENCES I 1965

100 300

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

MC005 CLASSROOM

ARTS

NEW BUILDING

UACP CODE: SUBMISSION DATE: 11/67

7-2

USE CATEGORY TYPE:

GSF: NASF/GSF:

NASF:

47,433 88,093 .54

TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

04/64 06/64 - 06/65

| MΑ | RKE | COL | ITIDI | ON: |
|----|-----|-----|-------|-----|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|---|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 145,895 | 6.10 | 1.66 | 3.08 | Classroom | 50.6 |
| Site Develop. (Incl.) | _ | w.ma | | _ | 0 110 | |
| Alter'ns & Renova'ns Site Development | 145,895 | 6.10 | | 3.08 | Special Purpose | |
| Site Development | 140,690 | 6.10 | 1.66 | 3.00 | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 33.6 |
| Int. Vert. Elements | | | | | 011100 | 00.0 |
| Multi-Storey Elements | | | | | Library | 2.0 |
| Interior Finishes | | | | | Library | 2.0 |
| Building Equipment | 4,821 | .20 | .05 | .10 | Physical Education | _ |
| Cash Allowance | 21,000 | .90 | .24 | .44 | 11,01001 2010001011 | |
| Built-in Equipment | | _ | | | Special Use | |
| Architectural | 1,079,314 | 45.50 | 12.25 | 22.75 | Audio Visual | _ |
| uilding Cost | 1,105,135 | 46.50 | 12.55 | 23.30 | Clinic | _ |
| | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 369,357 | 15.60 | 4.19 | 7.79 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 165,849 | 7.00 | 1.88 | 3.50 | Food | _ |
| Fed. Sales Tax Rebate | | | | ** | Recreation | 4.9 |
| ub-Total 'A' | 1,786,236 | 75.20 | 20.28 | 37.66 | Supporting | |
| | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , , , , , | | | Data Processing | 0.4 |
| | | | | | Shops | 8.5 |
| Fees | 97,475 | 4.10 | 1.11 | 2.06 | Physical Plant | |
| Miscellaneous | 61,939 | 2.60 | .70 | 1.31 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 159,414 | 6.70 | 1.81 | 3.36 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 240,059 | 10.10 | 2.73 | 5.06 | Non-Assignable | |
| Equipment | 188,941 | 8.00 | 2.14 | 3.98 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 429,000 | 18.10 | 4.87 | 9.04 | Mechanical | |
| | 220,000 | 20,20 | | | Rest Room | |
| Total Project Cost | 2,374,650 | 100.00 | 26.96 | 50.06 | Unassignable | |

22/SEP/72

PROJECT COST/SPACE RECORD

PROJECT NAME: PROJECT NUMBER: **HUMANITIES & SOCIAL SCIENCES 2 1966**

BUILDING TYPE:

USE CATEGORY TYPE: MC013

ARTS CLASSROOM

PROJECT TYPE: UACP CODE:

SUBMISSION DATE:

NEW BUILDING 7-2 11/67

100 720

NASF:

GSF: NASF/GSF: 136,387 .53

72,316

06/65 TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/65 - 09/67

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|--------------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 76,593 | 2.00 | .56 | 1.06 | Classroom | 25.4 |
| Site Develop. (Incl.) | _ | _ | | _ | Special Purpose | |
| Alter'ns & Renova'ns | 70.500 | 2.00 | .56 | 1.06 | Research | _ |
| ite Development | 76,593 | 2.00 | .00 | 1,06 | Laboratory | 20.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | 20.2 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 21.6 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 1.7 |
| Interior Finishes | | | | | Dharical Education | |
| Building Equipment | 54,612 | 1.40 | .40 | .76 | Physical Education | **** |
| Cash Allowance | 31,485 | .80 | .23 .02 | .44 .04 | Special Use | |
| Built-in Equipment Architectural | 2,753 1,911,045 | .10 50.50 | .02 14.01 | 26.43 | Audio Visual | _ |
| Building Cost | 1,999,895 | 52.80 | 14.66 | 27.65 | Clinic | - |
| unding Cost | 1,000,000 | 02.00 | 14.00 | 21.00 | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 743,500 | 19.60 | 5.45 | 10.28 | Assembly | 10.0 |
| | | | | | Exhibition | 4.4 |
| Electrical | 259,605 | 6.90 | 1.90 | 3.59 | Food | 8.7 |
| Fed. Sales Tax Rebate | | | | | Recreation | 6.4 |
| Sub-Total 'A' | 3,079,593 | 81.30 | 22.58 | 42.59 | Supporting | |
| | 3,079,393 | 01.00 | 22,00 | 42.00 | Data Processing | _ |
| | | | | | Shops | 1.6 |
| Fees | 180,000 | 4.80 | 1.32 | 2.49 | Physical Plant | _ |
| Miscellaneous | 56,504 | 1.50 | .41 | .78 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 236,504 | 6.20 | 1.73 | 3.27 | | |
| | | | | | Total NASF | 100.0 |
| FI | 0.40.255 | 6.60 | 1.83 | 3.45 | Non-Assignable | |
| Furniture | 249,355 | 5.80 | 1.62 | 3.05 | Custodial | |
| Equipment | 220,645 | 0.00 | 1.02 | 0.00 | Circulation | |
| Sub-Total 'C' | 470,000 | 12.40 | 3.45 | 6.50 | Mechanical | |
| | 2,0,000 | 20170 | 0.10 | 0.00 | Rest Room | |
| | | | | | | |
| Total Project Cost | 3,786,097 | 100.00 | 27.76 | 52.35 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE:

MC017 ARTS

PROJECT TYPE: UACP CODE: SUBMISSION DATE: NEW BUILDING

7-1 04/68

PSYCHOLOGY BLDG - 65

USE CATEGORY TYPE: RESEARCH

210

22/SEP/71

NASF: GSF: NASF/GSF:

03/68

48,526 89,066 .54

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

MARKET CONDITION:

06/68 - 10/69

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------------|-----------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | 58,000 | 1.50 | .65 | 1.20 | Classroom | 11.1 |
| Site Develop. (Incl.) Alter'ns & Renova'ns Site Development | 58,000 | 1.50 | .65 | 1.20 | Special Purpose Research Laboratory | 58.0 12.3 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 14.7 |
| Int. Vert. Elements Multi-Storey Elements | | | | | Library | 1.5 |
| Interior Finishes Building Equipment Cash Allowance | 9,354 120,945 | .20 3.10 | .11 1.36 | .19 2.49 | Physical Education | - |
| Built-in Equipment Architectural | 168,123 1,541,048 | 4.30 39.10 | 1.89 17.30 | 3.46 31.76 | Special Use Audio Visual | _ |
| Building Cost | 1,839,470 | 46.70 | 20.65 | 37.91 | Clinic Demonstration | |
| Plumbing & Drains Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 504,330 | 12.80 | 5.66 | 10.39 | Assembly Exhibition | = |
| Electrical Fed. Sales Tax Rebate | 276,200 | 7.00 | 3.10 | 5.69 | Food Recreation | 0.9 |
| Sub-Total 'A' | 2,678,000 | 68.00 | 30.07 | 55.19 | Supporting Data Processing Shops | <u>-</u> |
| Fees Miscellaneous | 174,930 66,070 | 4.40 1.70 | 1.96 .74 | 3.60 1.36 | Physical Plant | 1.5 |
| Sub-Total 'B' | 241,000 | 6.10 | 2.71 | 4.97 | Central Utility | _ |
| Sub-Total B | 241,000 | 0.10 | | | Total NASF | 100.0 |
| Furniture Equipment | 120,000 901,000 | 3.00 22.90 | 1.35 10.12 | 2.47 18.57 | Non-Assignable Custodial Circulation | |
| Sub-Total 'C' | 1,021,000 | 25.90 | 11.46 | 21.04 | Mechanical Rest Room | |
| Total Project Cost | 3,940,000 | 100.00 | 44.24 | 81.19 | Unassignable | |
| | | | | | | |

22/SEP/71

PROJECT COST/SPACE RECORD

PROJECT NAME:
PROJECT NUMBER:
BUILDING TYPE:
PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

HUMANITIES & SOCIAL SCIENCES 3 1967

MC035 ARTS NEW BUILDING

7-1

05/69

USE CATEGORY TYPE:

CLASSROOM

100 300

NASF:

GSF: NASF/GSF: TENDER/ESTIMATE DATE:

03/69 11/69 — 03/71

69,382

.58

120,499

CONSTRUCTION TIME: MARKET CONDITION:

11/69 — 03/71 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|------------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | 47,025 | 1.20 | .39 | ,68 | Classroom | 38.0 |
| Site Develop. (Incl.) | 73,000 | 1.80 | .61 | 1.05 | | |
| Alter'ns & Renova'ns | 46,000 | 1.10 | .38 | .66 | Special Purpose | 0.4 |
| Site Development | 166,025 | 4.10 | 1.38 | 2.39 | Research | 6.4 5.0 |
| | | | | | Laboratory | 5.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | 33.5 |
| Exterior Cladding | | | | | Office | 00.0 |
| Int. Vert. Elements | | | | | Library | 2.0 |
| Multi-Storey Elements | | | | | 210,000 9 | |
| Interior Finishes | 100 100 | 4.10 | 1.40 | 2.44 | Physical Education | - |
| Building Equipment | 169,120 | 3.20 | 1.10 | 1.90 | 2 22 3 4 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 | |
| Cash Allowance | 132,075 6,550 | .20 | .05 | .09 | Special Use | |
| Built-in Equipment | 1,761,837 | 43.20 | 14.62 | 25.39 | Audio Visual | _ |
| Architectural | 2,069,582 | 50.70 | 17.18 | 29.83 | Clinic | |
| Building Cost | 2,003,302 | 00.70 | 27120 | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 672,300 | 16.50 | 5.58 | 9.69 | Assembly | _ |
| viccitation. | | | | | Exhibition | _ |
| Electrical | 260,000 | 6.40 | 2.16 | 3.75 | Food | 7.6 6.3 |
| Fed. Sales Tax Rebate | | | | | Recreation | 0.3 |
| | | | 00.00 | 45.00 | Supporting | |
| Sub-Total 'A' | 3,167,907 | 77.60 | 26.29 | 45.66 | Data Processing | 1.3 |
| | | | | | Shops | _ |
| _ | 002.000 | 5.50 | 1.85 | 3.21 | Physical Plant | _ |
| Fees | 223,000 | 5.50 2.30 | .79 | 1.37 | | |
| Miscellaneous | 95,000 | 2,30 | | 1.01 | Central Utility | _ |
| Sub-Total 'B' | 318,000 | 7.80 | 2.64 | 4.58 | | |
| Sub-10ta B | 010,000 | ,,,,, | | | Total NASF | 100.0 |
| | 000 000 | 0.50 | 3.22 | 5.59 | Non-Assignable | |
| Furniture | 388,000 | 9.50 | 1.71 | 2.97 | Custodial | |
| Equipment | 206,000 | 5.00 | 1./1 | 2.51 | Circulation | |
| | 594,000 | 14.60 | .4.93 | 8.56 | Mechanical | |
| Sub-Total 'C' | 594,000 | 14.00 | . 4,50 | 0.00 | Rest Room | |
| | | 100.00 | 00.00 | E0 00 | Unassignable | |
| Total Project Cost | 4,079,907 | 100.00 | 33.86 | 58.80 | Onassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

HUMANITIES 1965

QU005 ARTS **NEW BUILDING** USE CATEGORY TYPE: OFFICE

NASF: GSF: NASF/GSF: 33,252 69,017 .48

7-2

10/67

300

TENDER/ESTIMATE DATE: 10/65 CONSTRUCTION TIME: 12/65 - 06/67

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 48,268 | 2.20 | .70 | 1.45 | Classroom | 17.2 |
| Alter'ns & Renova'ns | _ | _ | apaner apaner | _ | Consolal Days and | |
| Site Development | 48,268 | 2.20 | .70 | 1.45 | Special Purpose Research | |
| | 20,200 | 2.20 | .10 | 1.45 | Laboratory | <u>-</u> |
| Indirect & Gen'l Exp | | | | | Dry Lab | _ |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | *************************************** | |
| Exterior Cladding | | | | | Office | 66.7 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 5.3 |
| Interior Finishes | | | | | | |
| Building Equipment | 39,803 | 1.80 | .58 | 1.20 | Physical Education | grang. |
| Cash Allowance | 45,963 | 2.10 | .67 | 1.38 | | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 1,020,753 | 45.70 | 14.79 | 30.70 | Audio Visual | - |
| Building Cost | 1,106,519 | 49.60 | 16.03 | 33.28 | Clinic | gupters. |
| Discorbing & Desire | | | | | Demonstration | _ |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | 0 | |
| Mechanical | 597,426 | 0.00 | 0.00 | 18.08 | General Use Assembly | _ |
| Mechanical | 597,426 | 26.80 | 8.66 | 17.97 | Exhibition | _ |
| Electrical | 124,000 | 5.60 | 1.80 | 3.73 | Food | |
| Fed. Sales Tax Rebate | 79,640 | 3.60 | 1.15 | 2.40 | Recreation | 10.8 |
| rou, bates tax recoase | 75,040 | 0.00 | 1.10 | 2.40 | iccication | 10.0 |
| Sub-Total 'A' | 1,796,573 | 80.50 | 26.03 | 54.03 | Supporting | |
| | 2,,00,010 | 00.00 | 20.00 | 01,00 | Data Processing | _ |
| | | | | | Shops | - |
| Fees | 121,258 | 5.40 | 1.76 | 3.65 | Physical Plant | _ |
| Miscellaneous | 9,743 | .40 | .14 | .29 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 131,001 | 5.90 | 1.90 | 3.94 | | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 285,053 | 12.80 | 4.13 | 8.57 | Non-Assignable | |
| Equipment | 18,647 | .80 | .27 | .56 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 303,700 | 13.60 | 4.40 | 9.13 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,231,274 | 100.00 | 20.22 | 67.10 | Unassignable | |
| Total Poject Cost | 2,231,214 | 100.00 | 32.33 | 67.10 | Onassignatic | |
| | | | | | | |

PSYCHOLOGY BUILDING

QU026 PROJECT NUMBER: BUILDING TYPE:

ARTS NEW BUILDING

UACP CODE: SUBMISSION DATE:

PROJECT NAME:

PROJECT TYPE:

5 03/70 USE CATEGORY TYPE: LABORATORY

220

22/SEP/71

NASF: GSF: NASF/GSF:

32,631 57,512 10/67

TENDER/ESTIMATE DATE:

11/68 - 09/69CONSTRUCTION TIME:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| OST ELEMENT | | | _ | _ | Classroom | 10.6 |
| Site Develop. (Excl.) | _ | 1.40 | .61 | 1.08 | Classroom | |
| Site Develop. (Incl.) | 35,129 | 1.40 | | - | Special Purpose | |
| Alter'ns & Renova'ns | _ | 1.40 | .61 | 1.08 | Research | 4.0 |
| te Development | 35,129 | 1.40 | .01 | 1.00 | Laboratory | 54.9 |
| | 104.00 | 7.40 | 3.20 | 5,65 | Dry Lab | |
| Indirect & Gen'l Exp | 184,227 | | 1.26 | 2,22 | Wet Lab | |
| Substructure | 72,578 | 2.90 | 3.90 | 6.87 | 1100 2200 | |
| Horizontal Elements | 224,326 | 9.00 | 4.16 | 7.33 | Office | 19.3 |
| Exterior Cladding | 239,049 | 9.60 | | 4.05 | Office | |
| Int, Vert. Elements | 132,161 | 5.30 | 2,30 | 1.86 | Library | 6.1 |
| Multi-Storey Elements | 60,711 | 2.40 | 1.06 | | Library | |
| Interior Finishes | 106,546 | 4.30 | 1.85 | 3.27 | Physical Education | |
| Building Equipment | | _ | | _ | Physical Education | |
| Cash Allowance | 89,405 | 3.60 | 1.55 | 2.74 | Consideration Tree | |
| Built-in Equipment | 126,313 | 5.10 | 2.20 | 3.87 | Special Use Audio Visual | _ |
| Architectural | | | | | | 4.9 |
| suilding Cost | 1,235,316 | 49.50 | 21.48 | 37.86 | Clinic | |
| unumg 003t | · · | | | | Demonstration | |
| Plumbing & Drains | 101,740 | 4.10 | 1.77 | 3.12 | | |
| Heat, Vent. & Cond. | 378,922 | 15.20 | 6.59 | 11.61 | General Use | _ |
| Mechanical | 480,662 | 19.30 | 8.36 | 14.73 | Assembly | _ |
| dechanicai | | | | | Exhibition | |
| Electrical | 233,896 | 9.40 | 4.07 | 7.17 | Food | |
| Fed. Sales Tax Rebate | 77,995 | 3.10 | 1.36 | 2.39 | Recreation | |
| red. Sales Tax Redate | | | | | | |
| | 1,907,008 | 76.40 | 33.16 | 58.44 | Supporting | |
| Sub-Total 'A' | 1,501,000 | | | | Data Processing | _ |
| | | | | | Shops | |
| | 150,071 | 6.00 | 2.61 | 4.60 | Physical Plant | |
| Fees | 38,501 | 1.50 | .67 | 1.18 | | |
| Miscellaneous | 30,001 | 2,100 | | | Central Utility | _ |
| | 188,572 | 7.60 | 3.28 | 5.78 | | |
| Sub-Total 'B' | 188,572 | 7.00 | 0.20 | | Total NASF | 100.0 |
| | | | | | | |
| | 93,250 | 3,70 | 1.62 | 2,86 | Non-Assignable | |
| Furniture | | 12.30 | 5.34 | 9.41 | Custodial | |
| Equipment | 307,192 | 12.00 | 0.01 | | Circulation | |
| | 400 440 | 16.00 | 6.96 | 12.27 | Mechanical | |
| Sub-Total 'C' | 400,442 | 16.00 | 0.50 | 12,201 | Rest Room | |
| | | | | | | |
| | | 400.00 | 42.40 | 76.49 | Unassignable | |
| Total Project Cost | 2,496,022 | 100.00 | 43.40 | 10.40 | O 1/4001B1141010 | |

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

ER002 ARTS

NEW BUILDING

UACP CODE: 7-2 SUBMISSION DATE:

11/68

ERINDALE COLLEGE

USE CATEGORY TYPE:

OFFICE

300 220

22/SEP/71

40,624 NASF: 58,069 GSF: NASF/GSF: .70

TENDER/ESTIMATE DATE:

10/66 - 08/67CONSTRUCTION TIME:

09/66

BUSY MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL . COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|----------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 9.8 |
| Site Develop. (Incl.) | 10,397 | .50 | .18 | .26 | | |
| Alter'ns & Renova'ns | | _ | - | _ | Special Purpose | |
| te Development | 10,397 | .50 | .18 | .26 | Research | 1.0 |
| | | | | | Laboratory | 0.4 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 32.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 10.1 |
| Interior Finishes | | | | | P1 1 1 P1 1 11 | |
| Building Equipment | | | | | Physical Education | white |
| Cash Allowance | | | | | C | |
| Built-in Equipment | 4 000 072 | ** 00 | 10.00 | 00.00 | Special Use | 1.0 |
| Architectural | 1,092,858 | 55.30 | 18.82 | 26.90 | Audio Visual | 1.8 |
| uilding Cost | 1,092,858 | 55.30 | 18.82 | 26.90 | Clinic | 1.1 — |
| Di di di Diri | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | Carranal III | |
| Heat. Vent. & Cond. | | | | | General Use | <u> </u> |
| echanical | | | | | Assembly | |
| | | | | | Exhibition Food | 2.6 |
| Electrical | 44,623 | 2.30 | .77 | 1.10 | Recreation | 7.7 |
| Fed. Sales Tax Rebate | 44,023 | 2.30 | . 1 1 | 1.10 | Recreation | |
| ub-Total 'A' | 1,058,632 | 53.50 | 18.23 | 26.06 | Supporting | |
| | 2,555,552 | | | | Data Processing | 2.4 |
| * | | | | | Shops | _ |
| Fees | 58,000 | 2.90 | 1.00 | 1.43 | Physical Plant | 4.1 |
| Miscellaneous | _ | | | _ | | |
| | | | | | Central Utility | _ |
| ab-Total 'B' | 58,000 | 2.90 | 1.00 | 1.43 | | |
| | | | | | Total NASF | 100.0 |
| 72 | 0.00 0.00 | 10.40 | 4.04 | 0.04 | Non-Assignable | |
| Furniture | 269,628 | 13.60 | 4.64 | 6.64 | Non-Assignable Custodial | |
| Equipment | 591,480 | 29.90 | 10.19 | 14.56 | Circulation | |
| | 0.04 4.00 | 40.50 | 4400 | 01.00 | Mechanical | |
| ub-Total 'C' | 861,108 | 43.50 | 14.83 | 21.20 | Mechanical Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 1,977,740 | 100.00 | 34.06 | 48.68 | Unassignable | |
| | 2,0 , . 20 | 200,00 | | | | |

SCARBOROUGH COLLEGE

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UACP CODE:

SC002 ARTS

NEW BUILDING 7-2

11/68 SUBMISSION DATE:

USE CATEGORY TYPE: CLASSROOM

100 220

22/SEP/71

NASF:

GSF: NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

MARKET CONDITION:

384,533 .51 05/64

194,257

05/64 - 05/66BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 1,692,846 | 9.30 | 4.40 | 8.71 | Classroom | |
| Site Develop. (Incl.) | | .60 | .29 | .58 | Special Purpose | |
| Alter'ns & Renova'ns ite Development | 1,805,768 | 9.90 | 4.70 | 9.30 | Research | |
| tte Development | 2,000,100 | 0.00 | 2.10 | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements Interior Finishes | | | | | | |
| Building Equipment | 148,177 | .80 | .39 | .76 | Physical Education | |
| Cash Allowance | 81,503 | .40 | .21 | .42 | | |
| Built-in Equipment | 745,037 | 4.10 | 1.94 | 3.84 | Special Use | |
| Architectural | 8,903,437 | 49.00 | 23.15 | 45.83 | Audio Visual Clinic | |
| uilding Cost | 9,878,154 | 54.30 | 25.69 | 50.85 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| fechanical | 2,786,160 | 15.30 | 7.25 | 14.34 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 983,283 | 5.40 | 2.56 | 5.06 | Food | |
| Fed. Sales Tax Rebate | 527,100 | 2.90 | 1.37 | 2.71 | Recreation | |
| ub-Total 'A' | 14,926,265 | 82.10 | 38.82 | 76.84 | Supporting | |
| 10001 | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 880,576 | 4.80 | 2.29 | 4.53 | Physical Plant | |
| Miscellaneous | 139,664 | .80 | .36 | .72 | Central Utility | |
| Table Madel (D) | 1,020,240 | 5.60 | 2.65 | 5.25 | Collegal Culity | |
| Sub-Total 'B' | 1,020,240 | 0.00 | 2.00 | 0.20 | Total NASF | |
| - | 440.400 | 0.00 | 1.07 | 2,11 | Non-Assignable | |
| Furniture | 410,489 1,826,690 | 2.30 10.00 | 1.07 4.75 | 9.40 | Custodial | |
| Equipment | 1,020,090 | 10.00 | 7.10 | 3,30 | Circulation | |
| Sub-Total 'C' | 2,237,179 | 12,30 | - 5.82 | 11.52 | Mechanical | |
| | 2,231,210 | | | | Rest Room | |
| Fotal Project Cost | 18,183,684 | 100.00 | 47.29 | 93.61 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SCARBOROUGH COLLEGE PHASE 2A STAGE 1

SC007 ARTS

NEW BUILDING

USE CATEGORY TYPE: PHYSICAL EDUCATION

500

GSF: NASF/GSF:

NASF:

110,073 167,292

PROJECT TYPE: UACP CODE: SUBMISSION DATE:

7-1 06/71

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

03/71 06/71 - 10/72

| 370 | 73 3 4 | AT | |
|---------|--------|----|--|
| 1/1/1/1 | RM | AL | |
| | | | |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | _ 97,000 | 1.90 | _ | _ | Classroom | 7.3 |
| Alter'ns & Renova'ns | 97,000 | 1.90 | .58 | .88 — | Oracid LD | |
| Site Development | 97.000 | 1.90 | .58 | .88 | Special Purpose Research | _ |
| Indirect & Gen'l Exp Substructure Horizontal Elements | 3,433 | | .00 | .00 | Laboratory Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 11.6 |
| Multi-Storey Elements Interior Finishes | | | | | Library | - |
| Building Equipment Cash Allowance | 217,900 47,600 | 4.20 .90 | 1.30 .28 | 1.98 .43 | Physical Education | 32.0 |
| Built-in Equipment | 5,400 | .10 | .03 | .05 | Special Use | |
| Architectural Building Cost | 2,334,000 | 45.30 | 13.95 | 21.20 | Audio Visual | - |
| Building Cost | 2,604,900 | 50.60 | 15.57 | 23.67 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 985,000 | 19.10 | 5.89 | 8.95 | Assembly Exhibition | = |
| Electrical | 449,000 | 8.70 | 2.68 | 4.08 | Food | 10.2 |
| Fed. Sales Tax Rebate | 121,167 | 2.40 | .72 | 1.10 | Recreation | 11.4 |
| Sub-Total 'A' | 4,014,733 | 78.00 | 24.00 | 36.47 | Supporting Data Processing | _ |
| | | | | | Shops | |
| Fees | 420,795 | 8.20 | 2.52 . | 3.82 | Physical Plant | 2.3 |
| Miscellaneous | | _ | - | _ | | |
| Sub-Total 'B' | 420,795 | 8.20 | 2.52 | 3.82 | Central Utility | 5.5 |
| Sub-10tal B | 420,753 | 8.20 | 2.52 | 3.82 | Total NASF | 100.00 |
| Furniture | 366,700 | 7.10 | 2.19 | 3.33 | Non-Assignable | |
| Equipment | 345,920 | 6.70 | 2.07 | 3.14 | Custodial Circulation | |
| Sub-Total 'C' | 712,620 | 13.80 | 4.26 | 6.47 | Mechanical Rest Room | |
| Total Project Cost | 5,148,148 | 100.00 | 30.77 | 46.77 | Unassignable | |
| | | | | | | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

UACP CODE:

LADY EATON COLLEGE 65

TR007 ARTS

USE CATEGORY TYPE:

NASF: GSF:

64,586 128,688

NEW BUILDING

NASF/GSF: TENDER/ESTIMATE DATE:

04/67 06/67 - 12/68

7-2 02/70 SUBMISSION DATE:

CONSTRUCTION TIME: MARKET CONDITION:

BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| | 21,000 | .50 | .16 | .33 | Classroom | 1.4 |
| Site Develop. (Excl.) | 27,500 | .70 | .21 | .43 | | |
| Site Develop. (Incl.) | 21,300 | | | _ | Special Purpose | |
| Alter'ns & Renova'ns | 48,500 | 1.20 | .38 | .75 | Research | |
| ite Development | 46,500 | 1.20 | .00 | | Laboratory | |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements | | | | | Office | 29.1 |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Library | 9.2 |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | _ | | _ | Physical Education | |
| Building Equipment | 92,142 | 2.30 | .72 | 1.43 | | |
| Cash Allowance | | 2.00 | _ | _ | Special Use | |
| Built-in Equipment | 2,356,801 | 59.10 | 18.31 | 36.49 | Audio Visual | _ |
| Architectural | 2,448,943 | 61.50 | 19.03 | 37.92 | Clinic | 1.4 |
| suilding Cost | 2,440,540 | 01.00 | 10.00 | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| —————————————————————————————————————— | | | | | General Use | |
| Heat. Vent. & Cond. | 716.532 | 18.00 | 5.57 | 11.09 | Assembly | |
| [echanical | 110,002 | 20.00 | | | Exhibition | - |
| m | 344,232 | 8.60 | 2.67 | 5.33 | Food | 38.6 |
| Electrical | 106,116 | 2.70 | .82 | 1.64 | Recreation | 20.2 |
| Fed. Sales Tax Rebate | 100,110 | 2 | | | | |
| ub-Total 'A' | 3,452,091 | 86.60 | 26.83 | 53.45 | Supporting | |
| oub-Total A | 0,402,001 | 00.00 | | | Data Processing | _ |
| | | | | | Shops | |
| 77 | 215,361 | 5.40 | 1.67 | 3.33 | Physical Plant | _ |
| Fees | 53,719 | 1.30 | .42 | .83 | | |
| Miscellaneous | 00,.20 | | | | Central Utility | _ |
| Sub-Total 'B' | 269,080 | 6.80 | 2.09 | 4.17 | | |
| sub-Total B | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 250,000 | 6.30 | 1.94 | 3.87 | Non-Assignable | |
| Equipment | 13,292 | .30 | .10 | .21 | Custodial | |
| r d arthurage | | | | | Circulation | |
| Sub-Total 'C' | 263,292 | 6.60 | 2.05 | 4.08 | Mechanical | |
| 340 10441 0 | | | | | Rest Room | |
| | | | | 04.00 | Unassignable | |
| Total Project Cost | 3,984,463 | 100.00 | 30.96 | 61.69 | Unassignable | |

PROJECT NAME:

ARTS BUILDING II 1965

ACTUAL

269,000

2,723,375

9.90

100.00

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

Sub-Total 'C'

Total Project Cost

ARTS

WA004 NEW BUILDING

7-1 10/70 **USE CATEGORY TYPE:**

CLASSROOM

% OF TOTAL

100 300

22/SEP/71

NASF: GSF:

NASF/GSF:

54.957 108,998 .50

09/64

05/65 - 01/66

% OF TOTAL

CONSTRUCTION TIME:

MARKET CONDITION:

Circulation

Mechanical

Rest Room

Unassignable

TENDER/ESTIMATE DATE:

| COST ELEMENT | COST | COST | \$/GSF | \$/NASF | USE CATEGORY | NASF AREA |
|---|-----------|-------|--------|---------|-----------------------|-------------|
| Site Develop. (Excl.) | | | - | _ | Classroom | 45.7 |
| Site Develop. (Incl.) | 72,033 | 2.60 | .63 | 1.31 | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | 72,033 | 2.60 | .66 | 1.31 | Research | |
| | | | | | Laboratory | 18.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.44 | 25.6 |
| Exterior Cladding | | | | | Office | 25.0 |
| Int. Vert. Elements | | | | | I ile no nee | 5.1 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 0,1 |
| Building Equipment | 2,300 | .10 | .02 | .04 | Physical Education | _ |
| Cash Allowance | 62,062 | 2.30 | .57 | 1.13 | i ily sical Education | |
| Built-in Equipment | 10,455 | .40 | .10 | .19 | Special Use | |
| Architectural | 1,626,361 | 59.70 | 14.92 | 29.59 | Audio Visual | |
| Building Cost | 1,701,178 | 62.50 | 15.61 | 30.95 | Clinic | _ |
| | _, | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 377,564 | 13.90 | 3.46 | 6.87 | Assembly | 1.5 |
| | | | | | Exhibition | |
| Electrical | 186,725 | 6.90 | 1.71 | 3.40 | Food | 0.3 |
| Fed. Sales Tax Rebate | 93,500 | 3.40 | .86 | 1.70 | Recreation | 3.0 |
| Sub-Total 'A' | 2,244,000 | 82.40 | 20.59 | 40.83 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 140,250 | 5.10 | 1.29 | 2.55 | Physical Plant | 0.9 |
| Miscellaneous | 70,125 | 2.60 | .64 | 1.28 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 210,375 | 7.70 | 1.93 | 3.83 | | 1000 |
| | | | | | Total NASF | 100.0 |
| Furniture | 160,000 | 5.90 | 1.47 | 2.91 | Non-Assignable | |
| Equipment | 109,000 | 4.00 | 1.00 | 1.98 | Custodial | |
| | | | | | Cincoladian | |

2.47

24.99

4.89

49.55

ACTUAL

ACTUAL

22/SEP/71

NASF:

PROJECT NAME:

ARTS 3-HUMANITIES BLDG-67

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

WA028 ARTS NEW BUILDING

7-1

11/68

USE CATEGORY TYPE:

OFFICE 300 710 GSF: NASF/GSF: 62,938 118,610 .53

TENDER/ESTIMATE DATE:

05/68

CONSTRUCTION TIME:

04/68 - 09/69

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------|----------------|--------------------|---------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | | | _ | Classroom | 12.5 |
| Site Develop. (Excl.) | 24,304 | .60 | .20 | .39 | | |
| Alter'ns & Renova'ns | | _ | | | Special Purpose | |
| te Development | 24,304 | .60 | .20 | .39 | Research | _ |
| 00 25 0 10 20 p 1110 110 | | | | | Laboratory | 6.8 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 00.7 |
| Exterior Cladding | | | | | Office | 38.5 |
| Int. Vert. Elements | | | | | | 9.1 |
| Multi-Storey Elements | | | | | Library | 9,1 |
| Interior Finishes | 04 / 0 0 0 | F F0 | 1 00 | 0.40 | Physical Education | |
| Building Equipment | 215,983 | 5.50 | $\frac{1.82}{1.13}$ | 3.43 2.14 | rnysical Education | |
| Cash Allowance | 134,500 | 3.50 — | 1.13 | 2.14 | Special Use | |
| Built-in Equipment | | 49.90 | 16.37 | 30.84 | Audio Visual | _ |
| Architectural | 2,291,753 | 58.90 | 19.32 | 36.41 | Clinic | 0.1 |
| uilding Cost | 2,291,755 | 56.50 | 10.02 | 00.41 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 617,700 | 15.90 | 5.21 | 9.81 | Assembly | 25.0 |
| rechanical | 027,7700 | | | | Exhibition | - |
| Electrical | 416,500 | 10.70 | 3.51 | 6.62 | Food | 0.4 |
| Fed. Sales Tax Rebate | 134,010 | 3.40 | 1.13 | 2.13 | Recreation | 6.8 |
| | | | | | | |
| ub-Total 'A' | 3,216,247 | 82.60 | 27.12 | 51.10 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 212,805 | 5.50 | 1.79 | 3.38 | Physical Plant | 0.6 |
| Miscellaneous | 98,551 | 2.50 | .83 | 1.57 | | |
| | | 0.00 | 0.00 | 4.05 | Central Utility | _ |
| ub-Total 'B' | 311,356 | 8.00 | 2.63 | 4.95 | m-4-1 NI A C E | 100.0 |
| | | | | | Total NASF | 100.0 |
| T | 271,000 | 7.00 | 2,28 | 4.31 | Non-Assignable | |
| Furniture | 95,000 | 2.40 | .80 | 1.51 | Custodial | |
| Equipment | 95,000 | 2.40 | .00, | 1.01 | Circulation | |
| Sub-Total 'C' | 366,000 | 9.40 | 3.09 | 5.82 | Mechanical | |
| oub-rotar C | 000,000 | 0.10 | - | | Rest Room | |
| | | | | | | |
| Total Project Cost | 3,893,603 | 100.00 | 32.83 | 61.86 | Unassignable | |
| Total I Toject Cost | -,, | | | | | |

PSYCHOLOGY BUILDING

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

PROJECT TYPE:

UACP CODE:

WA066 ARTS

06/71

ARTS
NEW BUILDING
7-1

220

USE CATEGORY TYPE:

LABORATORY

22/SEP/71

NASF: GSF: 89,594 152,026 .59

NASF/GSF: TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

MARKET CONDITION:

 $04/71 \\ 06/71 - 08/72$

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|------------------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | - | _ | - 10 | | Classroom | 3.4 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 15,000 | .30 | .10 | .17 | Constitute and the constitute of the constitute | |
| Site Development | 15,000 | .30 | .10 | .17 | Special Purpose Research | 1.9 |
| Die Bevelopmen | | | | <u> </u> | Laboratory | 51.5 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.00 | 13.5 |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 13.5 |
| Multi-Storey Elements | | | | | Library | 10.6 |
| Interior Finishes | | | | | Diorary | |
| Building Equipment | 368,858 | 6.90 | 2.43 | 4.12 | Physical Education | - |
| Cash Allowance | 86,795 | 1.60 | .57 | .97 | | |
| Built-in Equipment | 29,133 | .50 | .19 | .33 | Special Use | |
| Architectural | 2,309,516 2,794,302 | 43.10 52.10 | 15.19 18.38 | 25.78 31.19 | Audio Visual | 17.0 |
| Building Cost | 2,794,302 | 52.10 | 10.50 | 31.19 | Clinic Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 1,169,881 | 21.80 | 7.70 | 13.06 | Assembly | |
| | | | | | Exhibition | . . |
| Electrical | 468,925 | 8.70 | 3.08 | 5.23 | Food | 0.3 |
| Fed. Sales Tax Rebate | 133,443 | 2.50 | .88 | 1.49 | Recreation | 0.6 |
| Sub-Total 'A' | 4,314,665 | 80.50 | 28.38 | 48.16 | Supporting | |
| | · | | | | Data Processing | 1.0 |
| | | | | | Shops | _ |
| Fees | 357,173 | 6.70 | 2.35 | 3.99 | Physical Plant | - |
| Miscellaneous | 129,440 | 2.40 | .85 | 1.44 | G | _ |
| Code Madel 4D1 | 486,613 | 9.10 | 3.20 | 5.43 | Central Utility | - |
| Sub-Total 'B' | 400,013 | 9.10 | 3.20 | 0.40 | Total NASF | 100.0 |
| | | | | | 10001111101 | |
| Furniture | 287,722 | 5.40 | 1.89 | 3.21 | Non-Assignable | |
| Equipment | 271,000 | 5.10 | 1.78 | 3.02 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 558,722 | 10.40 | 3.68 | 6.24 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 5,360,000 | 100.00 | 35.26 | 59.83 | Unassignable | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

22/SEP/71

NASF/GSF:

NASF:

GSF:

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

PROJECT TYPE:

UACP CODE:

TALBOT COLLEGE 65

NEW BUILDING

WE007 ARTS

7-2

11/67

USE CATEGORY TYPE:

CLASSROOM

100

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

.60 09/64 09/64 - 12/66

78,048

129,803

BUSY MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 45.9 |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns | | | | | Research | _ |
| ite Development | | | | | Laboratory | 1.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.00 | 11.7 |
| Exterior Cladding | | | | | Office | 11 |
| Int. Vert. Elements | | | | | Library | 10.2 |
| Multi-Storey Elements | | | | | Dibialy | |
| Interior Finishes Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | 1.0 |
| Architectural | | | | | Audio Visual | 1.0 0.6 |
| Building Cost | | | | | Clinic | - - |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 454,972 | 15.30 | 3.51 | 5.83 | Assembly | 15.0 |
| Mechanical | 101,512 | 10.00 | | | Exhibition | _ |
| Electrical | 239,288 | 8.00 | 1.84 | 3.07 | Food | 10.5 |
| Fed. Sales Tax Rebate | 200,200 | | | | Recreation | 3.0 |
| | | | | | | |
| Sub-Total 'A' | 2,557,782 | 86.20 | 19.71 | 32.77 | Supporting Data Processing | _ |
| | | | | | Shops | _ |
| | 155,000 | 5.20 | 1.19 | 1.99 | Physical Plant | 0.5 |
| Fees Miscellaneous | 7,770 | .30 | .06 | .10 | | |
| Miscenaneous | 1,110 | .00 | | | Central Utility | |
| Sub-Total 'B' | 162,770 | 5.50 | 1.25 | 2.09 | | |
| | | | | | Total NASF | 100.0 |
| D. Albania | 225,689 | 7.60 | 1.74 | 2.89 | Non-Assignable | |
| Furniture Equipment | 21,000 | .70 | .16 | .27 | Custodial | |
| Equipment | 22,000 | | | | Circulation | |
| Sub-Total 'C' | 246,689 | 8.30 | 1.90 | 3.16 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,967,241 | 100.00 | 22.86 | 38.02 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: WE034 BUILDING TYPE:

ARTS

PROJECT TYPE: NEW BUILDING UACP CODE: 7-1

SUBMISSION DATE: 11/70

SOCIAL SCIENCES CENTRE

USE CATEGORY TYPE:

LABORATORY

220 300 100 810

22/SEP/71

NASF:

GSF:

NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME: MARKET CONDITION:

10/70 10/70 - 08/72NORMAL

188,485

363,353

.52

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | - | - | | Classroom | 25.8 |
| Site Develop. (Incl.) | 16,000 | .10 | .04 | .08 | | |
| Alter'ns & Renova'ns | 16,000 | .10 | .04 | .08 | Special Purpose Research | 0,8 |
| Site Development | 10,000 | .10 | .01 | .00 | Laboratory | 32,3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 31.4 |
| Exterior Cladding | | | | | Office | 31.4 |
| Int. Vert. Elements | | | | | 7.9 | 1,2 |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 102,250 | .90 | .28 | .54 | 2 3.5 52002 22 40002012 | |
| Built-in Equipment | _ | nimité | _ | - | Special Use | |
| Architectural | 6,254,693 | 54.40 | 17.21 | 33.18 | Audio Visual | 1.2 |
| Building Cost | 6,356,943 | 55.30 | 17.50 | 33.73 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. Mechanical | 1,954,000 | 17.00 | 5.38 | 10.37 | Assembly | |
| Mechanical | 1,001,000 | 11100 | | | Exhibition | _ |
| Electrical | 1,046,000 | 9.10 | 2.88 | 5.55 | Food | 0.2 |
| Fed. Sales Tax Rebate | 272,943 | 2.40 | .75 | 1.45 | Recreation | _ |
| Sub-Total 'A' | 9,100,000 | 79.10 | 25.04 | 48.28 | Supporting | |
| | 7,, | | | | Data Processing | 6.9 |
| | | | | | Shops | |
| Fees | 641,550 | 5.60 | 1.77 | 3.40 | Physical Plant | - |
| Miscellaneous | 268,450 | 2.30 | .74 | 1.42 | | _ |
| 0.1.00.4.1/03 | 910,000 | 7.90 | 2.50 | 4.83 | Central Utility | |
| Sub-Total 'B' | 310,000 | 1.00 | 2.00 | 1.00 | Total NASF | 100.0 |
| | | | | | Total NASI | |
| Furniture | 990,000 | 8.60 | 2.72 | 5.25 | Non-Assignable | |
| Equipment | 500,000 | 4.30 | 1.38 | 2.65 | Custodial | |
| | | 10.00 | 4.40 | F 01 | Circulation | |
| Sub-Total 'C' | 1,490,000 | 13.00 | 4.10 | 7.91 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 11,500,000 | 100.00 | 31.65 | 61.01 | Unassignable | |

PROJECT NAME:

ESSEX HALL PHASE 2-65

PROJECT NUMBER: WI010 BUILDING TYPE:

ARTS

NEW BUILDING PROJECT TYPE:

UACP CODE: SUBMISSION DATE: 11/68

7-2

USE CATEGORY TYPE: LABORATORY

220

22/SEP/71

NASF: GSF:

NASF/GSF: TENDER/ESTIMATE DATE:

01/63

CONSTRUCTION TIME: MARKET CONDITION:

03/63 - 07/64

59,979

.57

105,717

BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | 12,567 | .40 | .12 | .21 | Classroom | |
| Site Develop. (Incl.) | 6,500 | .20 | .06 | .11 | | |
| Alter'ns & Renova'ns | | | | _ | Special Purpose | |
| ite Development | 19,067 | .60 | .18 | .32 | Research | |
| | | | | | Laboratory Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | 2.10-41 | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 67,000 | 2.10 | .63 | 1.12 | | |
| Built-in Equipment | 284,000 | 9.00 | 2.69 | 4.73 | Special Use | |
| Architectural | 1,133,119 | 35.70 | 10.72 | 18.89 | Audio Visual | |
| Building Cost | 1,484,119 | 46.80 | 14.04 | 24.74 | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 892,500 | 28.20 | 8.44 | 14.88 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 443,000 | 14.00 | 4.19 | 7.39 | Food | |
| Fed. Sales Tax Rebate | 81,856 | 2.60 | .77 | 1.36 | Recreation | |
| Sub-Total 'A' | 2,756,830 | 87.00 | 26.08 | 45.96 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 169,047 | 5.30 | 1.60 | 2.82 | Physical Plant | |
| Miscellaneous | 12,850 | .40 | .12 | .21 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 181,897 | 5.70 | 1.72 | 3.03 | | |
| | | | | | Total NASF | |
| Furniture | 200,000 | 6.30 | 1.89 | 3.33 | Non-Assignable | |
| Equipment | 31,190 | 1.00 | .30 | .52 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 231,190 | 7.30 | 2.19 | 3.85 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 3,169,917 | 100.00 | 29.98 | 52.85 | Unassignable | |

PROJECT NAME:

FOUNDERS COLLEGE

PROJECT NUMBER: YO013 BUILDING TYPE:

ARTS

PROJECT TYPE:

NEW BUILDING

7-2 UACP CODE: SUBMISSION DATE: 10/70

USE CATEGORY TYPE:

CLASSROOM

100 730 740

% OF TOTAL

ACTUAL

22/SEP/71

NASF: GSF:

52,275 98,900 .53

NASF/GSF: TENDER/ESTIMATE DATE:

04/64 05/64 - 08/65

CONSTRUCTION TIME: MARKET CONDITION:

NORMAL

| | % OF TOTAL |
|--------------|------------|
| USE CATEGORY | NASF AREA |
| | |

| COST ELEMENT | COST | COST | \$/GSF | \$/NASF | USE CATEGORY | NASF AREA |
|-----------------------|-----------|--------|--------|---------|--------------------|--|
| Site Develop. (Excl.) | | | | | Classroom | 34.0 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| te Development | | | | | Research | _ |
| | | | | | Laboratory | **** |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 18.3 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 123,209 | 4.30 | 1.25 | 2.36 | Physical Education | _ |
| Cash Allowance | 46,350 | 1.60 | .47 | .89 | | |
| Built-in Equipment | | | | _ | Special Use | |
| Architectural | 1,639,886 | 56.70 | 16.58 | 31.37 | Audio Visual | _ |
| uilding Cost | 1,809,445 | 62.50 | 18.30 | 34.61 | Clinic | - Constitution of the Cons |
| | 1,005,445 | 02.00 | 10.50 | 04.01 | Demonstration | |
| Plumbing & Drains | | | | | Bemonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 404.004 | 1450 | 4.00 | 0.11 | Assembly | |
| ecnanicai | 424,024 | 14.70 | 4.29 | 8.11 | | _ |
| | | | 4.00 | | Exhibition | |
| Electrical | 185,642 | 6.40 | 1.88 | 3.55 | Food | 25.6 |
| Fed. Sales Tax Rebate | 96,764 | 3.30 | .98 | 1:85 | Recreation | 21.1 |
| ab-Total 'A' | 2,322,347 | 80.30 | 23.48 | 44.43 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | and the same |
| Fees | 145,147 | 5.00 | 1.47 | 2.78 | Physical Plant | 1.1 |
| Miscellaneous | 8,000 | .30 | .08 | .15 | | |
| Miscellancous | 3,333 | | | | Central Utility | _ |
| ub-Total 'B' | 153,147 | 5.30 | 1.55 | 2.93 | Contract Country | |
| 10-10-tal B | 200,21 | | | | Total NASF | 100.1 |
| Furniture | 195,855 | 6.80 | 1.98 | 3.75 | Non-Assignable | |
| | 222,000 | 7.70 | 2.24 | 4.25 | Custodial | |
| Equipment | 222,000 | 1.10 | 2.24 | 2,20 | | |
| . = | 417,855 | 14.40 | 4.23 | 7.99 | Circulation | |
| ub-Total 'C' | 417,800 | 14.40 | 4.20 | 1.55 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,893,349 | 100,00 | 29.26 | 55.35 | Unassignable | |

ACTUAL

ACTUAL

PROJECT NAME:

VANIER COLLEGE ACADEMIC 66

PROJECT NUMBER: YO023 BUILDING TYPE:

ARTS NEW BUILDING 7-2

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 01/68

CLASSROOM

USE CATEGORY TYPE:

100 720

22/SEP/71

NASF: GSF:

43,595 75,229 .58

NASF/GSF: TENDER/ESTIMATE DATE:

04/65 04/65 - 03/67

CONSTRUCTION TIME:

MA

| RKET | CONDIT | ION: | |
|------|--------|------|--|
| | | | |
| | | | |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 32.5 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | _ |
| lite Development | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | 3.3 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 23.3 |
| Int. Vert. Elements | | | | | Office | 2010 |
| Multi-Storey Elements | | | | | Library | 0.6 |
| Interior Finishes | | | | | 21014119 | |
| Building Equipment | 127,128 | 5.50 | 1.69 | 2.92 | Physical Education | |
| Cash Allowance | 35,700 | 1.50 | .47 | .82 | | |
| Built-in Equipment | 7,737 | .30 | .10 | .18 | Special Use | |
| Architectural | 1,212,431 | 52.20 | 16.12 | 27.81 | Audio Visual | 0.2 |
| Building Cost | 1,382,996 | 59.50 | 18.38 | 31.72 | Clinic | _ |
| | · | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 324,355 | 14.00 | 4.31 | 7.44 | Assembly | _ |
| | | | | | Exhibition | 2.7 |
| Electrical | 181,113 | 7.80 | 2.41 | 4.15 | Food | 17.3 |
| Fed. Sales Tax Rebate | 82,047 | 3.50 | 1.09 | 1.88 | Recreation | 14.4 |
| Sub-Total 'A' | 1,806,417 | 77.80 | 24.01 | 41.44 | Supporting | |
| | | | | | Data Processing | - |
| | | | | | Shops | 3.5 |
| Fees | 111,358 | 4.80 | 1.48 | 2.55 | Physical Plant | _ |
| Miscellaneous | 75 | | | | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 111,433 | 4.80 | 1.48 | 2.56 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 198,110 | 8.50 | 2.63 | 4.54 | Non-Assignable | |
| Equipment | 206,920 | 8.90 | 2.75 | 4.75 | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 405,030 | 17.40 | 5.38 | 9.29 | Mechanical | |
| VAN LUVAL V | | | | | Rest Room | |
| | | | | | 2004 700000 | |
| Total Project Cost | 2,322,880 | 100.00 | 30.88 | 53.28 | Unassignable | |

PROJECT NAME: ATKINSON COLLEGE PHASE 1-65

PROJECT NUMBER: YO024 BUILDING TYPE: ARTS

PROJECT TYPE: NEW BUILDING UACP CODE: 7-2

SUBMISSION DATE: 01/68

USE CATEGORY TYPE:

OFFICE

300

22/SEP/71

NASF: GSF:

NASF/GSF: TENDER/ESTIMATE DATE:

.49 12/65

29,200

59,300

01/66 - 11/67CONSTRUCTION TIME:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|-----------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 23.0 |
| Site Develop. (Incl.) | | | | | 0 12 | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| ite Development | | | | | Laboratory | |
| Indiana & Coull From | | | | | Dry Lab | |
| Indirect & Gen'l Exp Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Eas | |
| Exterior Cladding | | | | | Office | 54.3 |
| Int. Vert. Elements | | | | | CITICO | 0 210 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | 22.00,002.9 | |
| Building Equipment | 30,342 | 1.40 | .51 | 1.04 | Physical Education | - |
| Cash Allowance | 27,929 | 1.30 | .47 | .96 | , | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 1,207,305 | 54.70 | 20.36 | 41.35 | Audio Visual | 0.6 |
| uilding Cost | 1,265,576 | 57.30 | 21.34 | 43.34 | Clinic | man, |
| | 1,200,010 | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 450,956 | 20.40 | 7.60 | 15.44 | Assembly | |
| | · | | | | Exhibition | _ |
| Electrical | 209,919 | 9.50 | 3.54 | 7.19 | Food | 16.9 |
| Fed. Sales Tax Rebate | 84,144 | 3.80 | 1.42 | 2.88 | Recreation | 3.8 |
| ab-Total 'A' | 1,842,307 | 83.40 | 31.07 | 63.09 | Supporting | |
| | -,, | | | | Data Processing | - |
| | | | | | Shops | Τ. |
| Fees | 124,303 | 5.60 | 2.10 | 4.26 | Physical Plant | 1.3 |
| Miscellaneous | 7,200 | .30 | .12 | .25 | | |
| | | | | | Central Utility | _ |
| ıb-Total 'B' | 131,503 | 6.00 | 2.22 | 4.50 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 144,269 | 6,50 | 2.43 | 4.94 | Non-Assignable | |
| Equipment | 90,000 | 4.10 | 1.52 | 3.08 | Custodial | |
| * *** | | | | | Circulation | |
| ub-Total 'C' | 234,269 | 10.60 | 3.95 | 8.02 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,208,079 | 100.00 | 37.24 | 75.62 | Unassignable | |

Arts Buildings Alterations

PROJECT NAME:

HUMANITIES AND SOCIAL SCIENCES BLDG.

PROJECT NUMBER: YO025

USE CATEGORY TYPE:

BUILDING TYPE: ARTS

PROJECT TYPE:

NEW BUILDING

UACP CODE: SUBMISSION DATE: 10/66 NASF:

GSF:

22/SEP/71

179,309 342,347

NASF/GSF: TENDER/ESTIMATE DATE: 09/66

CONSTRUCTION TIME:

12/66 - 09/69

.52

| 6 4 | FYCTFF | 1 0 | OTIL | C | 014 |
|-----|--------|-----|------|---|-----|
| | | | | | |
| | | | | | |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|-----------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 36.5 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
| Site Development | | | | | Special Purpose | |
| otte Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | _ |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 55.9 |
| Int. Vert. Elements | | | | | 011100 | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | 2.2 |
| Building Cost | | | | | Clinic | - |
| . | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 0 100 500 | 4.4.57 | C 04 | 11.00 | General Use | |
| Mechanical | 2,136,523 | 14.57 | 6.24 | 11.92 | Assembly | 1.1 |
| Electrical | 992,100 | 6.76 | 2.90 | 5.53 | Exhibition Food | 1.1 |
| Fed. Sales Tax Rebate | 473,000 | 3.20 | 1.38 | 2.64 | Recreation | 4.0 |
| red. Sales Tax Repate | 410,000 | 0.20 | 1.00 | 2.01 | Recreation | 2.0 |
| Sub-Total 'A' | 11,830,000 | 80.70 | 34.56 | 65.98 | Supporting | |
| | , | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 710,000 | 4.80 | 2.07 | 3.96 | Physical Plant | |
| Miscellaneous | 355,000 | 2.40 | 1.04 | 1.98 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 1,065,000 | 7.30 | 3.11 | 5.94 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 1,398,000 | 9.50 | 4.08 | 7.80 | Non-Assignable | |
| Equipment | 844,000 | 5.80 | 2.47 | 4.71 | Custodial | |
| Edaibitiens | 011,000 | 0.00 | 21.21 | 2.11 | Circulation | |
| Sub-Total 'C' | 2,242,000 | 15.30 | 6.55 | 12.50 | Mechanical | |
| | _,, | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 14,664,000 | 100.00 | 42.83 | 81.78 | Unassignable | |

WINTERS COLLEGE 66 PROJECT NAME:

PROJECT NUMBER: YOO27 BUILDING TYPE: PROJECT TYPE:

NEW BUILDING 7-2

UACP CODE: SUBMISSION DATE: 01/68 USE CATEGORY TYPE:

OFFICE

300 740 720

22/SEP/71

NASF: GSF:

NASF/GSF: TENDER/ESTIMATE DATE:

.56 06/66

37,205

66,275

MARKET CONDITION:

01/66 - 04/68CONSTRUCTION TIME:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|--------------------|--------------------|------------------|-------------------|-----------------------------|----------------------|
| Site Develop. (Excl.) | | | | | Classroom | 22.7 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| te Development | | | | | Laboratory | 0.3 |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 31.8 |
| Int. Vert. Elements | | | | | | 15.8 |
| Multi-Storey Elements | | | | | Library | 10.0 |
| Interior Finishes | 450 400 | 4.00 | 2.39 | 4.25 | Dhamiaal Education | _ |
| Building Equipment | 158,180 | 4.80 1.20 | .59 | 1.04 | Physical Education | |
| Cash Allowance | 38,800 | - | | _ | Special Use | |
| Built-in Equipment | 1,610,400 | 49.30 | 24.30 | 43.28 | Audio Visual | |
| Architectural uilding Cost | 1,807,380 | 55.40 | 27.27 | 48.58 | Clinic | _ |
| unding Cost | _,_, | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | 20.00 | General Use | |
| Iechanical | 754,935 | 23.10 | 11.39 | 20.29 | Assembly | 3.6 |
| | 010 804 | 6.70 | 3.31 | 5.90 | Exhibition Food | 3.4 |
| Electrical | 219,324 128,633 | 3.90 | 1.94 | 3.46 | Recreation | 22.4 |
| Fed. Sales Tax Rebate | 120,000 | 3.50 | 1.54 | 0.10 | Recleation | |
| 1 77 - 4 - 3 6 4 2 | 2,653,006 | 81.30 | 40.03 | 71.31 | Supporting | |
| ub-Total 'A' | 2,000,000 | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 190,025 | 5.80 | 2.87 | 5.11 | Physical Plant | aparies. |
| Miscellaneous | 11,300 | .30 | .17 | .30 | | _ |
| | | 0.00 | 2.04 | 5.41 | Central Utility | |
| Sub-Total 'B' | 201,325 | 6.20 | 3.04 | 5.41 | Total NASF | 100.0 |
| | | | | | Total NASF | |
| | 360.569 | 11.00 | 5.44 | 9.69 | Non-Assignable | |
| Furniture | 50,000 | 1.50 | .75 | 1.34 | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 410,569 | 12.60 | 6.19 | 11.04 | Mechanical | |
| Jud I Juli | 110,000 | | | | Rest Room | |
| Total Project Cost | 3,264,900 | 100.00 | 49.26 | 87.75 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: Y0033

COLLEGE D ACADEMIC

BUILDING TYPE: PROJECT TYPE:

ARTS

NEW BUILDING

UACP CODE: 7-2 SUBMISSION DATE: 10/70

USE CATEGORY TYPE: CLASSROOM

100 300 740

NASF: GSF:

39,825 75,591 NASF/GSF: .53

TENDER/ESTIMATE DATE: 06/67

CONSTRUCTION TIME: 06/67 - 05/69

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 34.3 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory | 0.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 31.9 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 50,750 | 1.80 | .67 | 1.27 | | |
| Built-in Equipment | _ | _ | | _ | Special Use | |
| Architectural | 1,605,099 | 57.80 | 21.23 | 40.30 | Audio Visual | 0.2 |
| Building Cost | 1,655,849 | 59.60 | 21.91 | 41.58 | Clinic | _ |
| | 2,000,010 | 00.00 | -1.01 | 12100 | Demonstration | _ |
| Plumbing & Drains | | | | | 2-111-11-11-11-11-11-11-11-11-11-11-11-1 | |
| Heat, Vent, & Cond. | | | | | General Use | |
| Iechanical | 466,108 | 16.80 | 6.17 | 11.70 | Assembly | _ |
| 1 contained | 400,100 | 10.00 | 0.11 | 22,10 | Exhibition | _ |
| Electrical | 276,808 | 10.00 | 3.66 | 6.95 | Food | 13.3 |
| Fed. Sales Tax Rebate | 95,951 | 3.50 | 1.27 | 2.41 | Recreation | 16.5 |
| reu. Sales Tax Rebate | 33,331 | 3.30 | 1.41 | 2,71 | iccicanon | 10.0 |
| ub-Total 'A' | 2,302,814 | 82.90 | 30.46 | 57.82 | Supporting | |
| 45 10441 11 | 2,002,014 | 02.00 | 00.10 | 01.02 | Data Processing | - |
| | | | | | Shops | _ |
| Fees | 143.926 | 5.20 | 1.90 | 3.61 | Physical Plant | |
| Miscellaneous | 25,000 | .90 | .33 | .63 | i iiy sicai i iaiiv | |
| Miscellaneous | 25,000 | .90 | ,00 | .00 | Central Utility | _ |
| ub-Total 'B' | 168,926 | 6.10 | 2.23 | 4.24 | Cential Culity | |
| ub-Total B | 166,926 | 6.10 | 4.40 | 4.24 | Total NASF | 100.0 |
| | | | | | Total NASP | 100.0 |
| Furniture | 106 519 | 7 10 | 2.60 | 4.93 | Non-Assignable | |
| | 196,518 | 7.10 | | 4.93 2.79 | Custodial | |
| Equipment | 111,000 | 4.00 | 1.47 | 2.79 | Circulation | |
| 1 6 4 1 (6) | 007 510 | 11.10 | 4.08 | F F0 | | |
| Sub-Total 'C' | 307,518 | 11.10 | 4.07 | 7.72 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 2,779,258 | 100.00 | 36.77 | 69.79 | Unassignable | |
| Otal I Toject Cost | 2,110,200 | 100.00 | 00.77 | 00.10 | O | |

22/SEP/71

PROJECT NAME:

ADMINISTRATIVE STUDIES BUILDING

PROJECT NUMBER: YO044 BUILDING TYPE: PROJECT TYPE:

ARTS

NEW BUILDING

UACP CODE: SUBMISSION DATE: 08/70 USE CATEGORY TYPE:

OFFICE

300

NASF: GSF:

102,934 188,232 .55

NASF/GSF: TENDER/ESTIMATE DATE: 08/70

CONSTRUCTION TIME:

10/70 - 07/72

| Site Develop, (Excl.) 127,600 2.00 .68 1.24 Classroom 26.6 | COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Alter'ns & Renova'ns | Site Develop. (Excl.) | 127,600 | 2.00 | .68 | 1,24 | Classroom | 26.6 |
| Ite Development | Site Develop. (Incl.) | 33,100 | .50 | .18 | | | |
| Table Tabl | Alter'ns & Renova'ns | | | | | Special Purpose | |
| Indirect & Gen'l Exp 520,600 8.20 2.77 5.06 5.06 5.09 1.08 Met Lab | lite Development | 160,700 | 2.50 | .85 | 1.56 | | |
| Indirect & Gen'l Exp 520,600 8.20 2.77 5.06 Dry Lab Substructure 111,200 1.80 5.9 1.08 Wet Lab Horizontal Elements 695,500 10,90 3.69 6.76 Exterior Cladding 676,100 10,60 3.59 6.57 Office 41.5 | | | | | | | _ |
| Substructure | Indirect & Gen'l Exp | 520,600 | 8.20 | 2.77 | 5.06 | | |
| Horizontal Elements | | | | | | | |
| Exterior Cladding 676,100 10.60 3.59 6.57 Office 41.5 Int. Vert. Elements 395,900 6.20 2.10 3.85 Multi-Storey Elements 93,300 1.50 .50 .91 Library 27.1 Interior Finishes 301,700 4.70 1.60 2.93 Building Equipment 79,300 1.20 4.22 .77 Physical Education — Cash Allowance 150,000 2.40 8.80 1.46 Built-in Equipment 24,500 .40 1.13 .24 Special Use Audio Visual — Audio Visual — Cash Allowance 3,048,100 48.00 16.19 29.61 Clinic — Clinic — Plumbing & Drains 217,600 3.40 1.16 2.11 Demonstration — Plumbing & Drains 217,600 3.40 1.16 2.11 Demonstration — Electrical 1,450,000 22.80 7.70 14.09 Assembly — Exhibition — Electrical 511,200 8.00 2.72 4.97 Food — Exhibition — Exhibition — Exhibition — Fed. Sales Tax Rebate 155,100 2.40 8.2 1.51 Recreation 4.6 ub-Total 'A' 5,014,900 79.00 26.64 48.72 Supporting Data Processing — Shops — Miscellaneous 200,400 3.20 1.06 1.95 ub-Total 'B' 592,900 9.30 3.15 5.76 Total NASF 100.0 Furniture Equipment 200,000 3.10 1.06 1.94 Custodial Circulation with a control of the contr | | | | | | WOU 240 | |
| Int. Vert. Elements | | | | | | Office | 41.5 |
| Multi-Storey Elements | | | | | | Office | 1110 |
| Interior Finishes 301,700 4.70 1.60 2.93 | | | | | | Library | 97 1 |
| Building Equipment 79,300 1.20 | | | | | | Library | 21.1 |
| Cash Allowance Built-in Equipment 24,500 | | | | | | Physical Education | _ |
| Built-in Equipment | | | | | | rnysical Education | |
| Architectural Ar | | | | | | Consist II. | |
| Suilding Cost 3,048,100 48.00 16.19 29.61 Clinic Demonstration Clinic Clinic Demonstration Clinic Demonstration Clinic Clinic Demonstration Clinic Clinic Demonstration Clinic Clinic Clinic Demonstration Clinic Clin | | 24,000 | . +0 | .10 | .23 | | |
| Plumbing & Drains | | 2.049.100 | 49.00 | 16.10 | 00.61 | | |
| Plumbing & Drains 217,600 3.40 1.16 2.11 | unding Cost | 0,040,100 | 48.00 | 10.15 | 25.01 | | _ |
| Heat, Vent. & Cond. 1,232,400 19.40 6.55 11.97 General Use [echanical 1,450,000 22.80 7.70 14.09 Assembly — Exhibition — E | D | 217 600 | 2.40 | 1.10 | 0.11 | Demonstration | _ |
| Techanical 1,450,000 22.80 7.70 14.09 Assembly Exhibition Exhibitio | | | | | | | |
| Electrical 511,200 8.00 2.72 4.97 Food — Fed. Sales Tax Rebate 155,100 2.40 .82 1.51 Recreation 4.6 ub-Total 'A' 5,014,900 79.00 26.64 48.72 Supporting Data Processing — Shops — Shops — Shops — Shops — Physical Plant — Wiscellaneous 200,400 3.20 1.06 1.95 ub-Total 'B' 592,900 9.30 3.15 5.76 Total NASF 100.0 Furniture Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | | | | | | |
| Electrical 511,200 8.00 2.72 4.97 Food — Fed. Sales Tax Rebate 155,100 2.40 8.2 1.51 Recreation 4.6 ub-Total 'A' 5,014,900 79.00 26.64 48.72 Supporting — Data Processing — Shops — Shops — Shops — Shops — Physical Plant — Miscellaneous 200,400 3.20 1.06 1.95 — Central Utility — ub-Total 'B' 592,900 9.30 3.15 5.76 — Total NASF 100.0 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | [echanical | 1,450,000 | 22.80 | 7.70 | 14.09 | | _ |
| Fed. Sales Tax Rebate 155,100 2.40 .82 1.51 Recreation 4.6 ub-Total 'A' 5,014,900 79.00 26.64 48.72 Supporting Data Processing — Shops — Shops — Fees 392,500 6.20 2.09 3.81 Physical Plant — Miscellaneous 200,400 3.20 1.06 1.95 ub-Total 'B' 592,900 9.30 3.15 5.76 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | F44.000 | | | | Exhibition | |
| ub-Total 'A' 5,014,900 79.00 26.64 48.72 Supporting Data Processing — Shops — | Electrical | | | | | Food | |
| Data Processing Data Proce | Fed. Sales Tax Rebate | 155,100 | 2,40 | .82 | 1.51 | Recreation | 4.6 |
| Fees 392,500 6.20 2.09 3.81 Physical Plant — Miscellaneous 200,400 3.20 1.06 1.95 Central Utility — Lub-Total 'B' 592,900 9.30 3.15 5.76 Total NASF 100.0 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | ub-Total 'A' | 5,014,900 | 79.00 | 26.64 | 48.72 | Supporting | |
| Fees 392,500 6.20 2.09 3.81 Physical Plant — Miscellaneous 200,400 3.20 1.06 1.95 Central Utility — Ub-Total 'B' 592,900 9.30 3.15 5.76 Total NASF 100.0 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | | | | | Data Processing | _ |
| Miscellaneous 200,400 3.20 1.06 1.95 ——————————————————————————————————— | | | | | | Shops | _ |
| Miscellaneous 200,400 3.20 1.06 1.95 Central Utility ub-Total 'B' 592,900 9.30 3.15 5.76 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | 392,500 | 6.20 | 2.09 | 3.81 | Physical Plant | _ |
| Central Utility Central Ut | Miscellaneous | | | | | | |
| Total NASF 100.0 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | | | | | Central Utility | _ |
| Total NASF 100.0 Furniture 543,900 8.60 2.89 5.28 Non-Assignable Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | ub-Total 'B' | 592,900 | 9.30 | 3.15 | 5.76 | | |
| Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | | | 0.00 | 0.10 | 0.10 | Total NASF | 100.0 |
| Equipment 200,000 3.10 1.06 1.94 Custodial Circulation ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | Furniture | 5/13 900 | 8 60 | 2.90 | E 00 | Non-Assignable | |
| Circulation 3.95 7.23 Mechanical | | | | | | | |
| ub-Total 'C' 743,900 11.70 3.95 7.23 Mechanical | - 4 metressan | 200,000 | 3.10 | 1.06 | 1.94 | | |
| 11.70 0.50 1.20 | ub-Total 'C' | 742 000 | 11 70 | 0.05 | H 00 | | |
| Rest Room | | 743,900 | 11.70 | 3.95 | 7.23 | | |
| | | | | | | Rest Room | |
| otal Project Cost 6,351,700 100.00 33.74 61.71 Unassignable | otal Project Cost | 6,351,700 | 100.00 | 33.74 | 61.71 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER:

COLLEGE E 69 YO052

BUILDING TYPE: PROJECT TYPE: UACP CODE: SUBMISSION DATE: ARTS
NEW BUILDING

7 — 1 07/69 USE CATEGORY TYPE:

730 100 740

NASF: GSF: NASE/ 57,552 113,945 .51

NASF/GSF:

06/69

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/69 — 05/71 SLACK

MARKET CONDITION: SLA

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | | Classroom | 29.7 |
| Site Develop. (Incl.) | 7,632 | .20 | .07 | .13 | | |
| Alter'ns & Renova'ns | _ | _ | _ | - | Special Purpose | |
| Site Development | 7,632 | .20 | .07 | .13 | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 20.9 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 266,854 | 6.50 | 2.34 | 4.64 | Physical Education | _ |
| Cash Allowance | 70,710 | 1.70 | .62 | 1.23 | | |
| Built-in Equipment | 3,913 | .10 | .03 | .07 | Special Use | |
| Architectural | 2,069,003 | 50.10 | 18.16 | 35.95 | Audio Visual | _ |
| suilding Cost | 2,410,480 | 58.40 | 21.15 | 41.88 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | 20011011001 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 785,621 | 19.00 | 6.89 | 13.65 | Assembly | _ |
| | | | | | Exhibition | |
| Electrical | 277,731 | 6.70 | 2.44 | 4.83 | Food | 31.3 |
| Fed. Sales Tax Rebate | 104,444 | 2.50 | .92 | 1.81 | Recreation | 17.9 |
| | | | | | 20002000000 | |
| ub-Total 'A' | 3,377,020 | 81.80 | 29.64 | 58.68 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 244,832 | 5.90 | 2.15 | 4.25 | Physical Plant | _ |
| Miscellaneous | 161,310 | 3.90 | 1.42 | 2.80 | , 0.000 | |
| miscentificous | | | | | Central Utility | _ |
| ub-Total 'B' | 406,142 | 9.80 | 3.56 | 7.06 | Constan Coming | |
| ab 100a 2 | | | | | Total NASF | 100% |
| | | | | | 10002117151 | |
| Furniture | 293,000 | 7.10 | 2.57 | 5.09 | Non-Assignable | |
| Equipment | 50,000 | 1.20 | .44 | .87 | Custodial | |
| Edubitient | | | | | Circulation | |
| ub-Total 'C' | 343,000 | 8.30 | 3.01 | 5.96 | Mechanical | |
| un-10tal C | , | 0.00 | 0.04 | 0.00 | Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 4,126,162 | 100.00 | 36.21 | 71.69 | Unassignable | |
| otal Project Cost | *12.0012.02 | 100.00 | 00.22 | 12100 | Unassignable | |

COLLEGE 'F'

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

YO063 ARTS NEW BUILDING

7 - 1

07/71

USE CATEGORY TYPE: CLASSROOM

100 300

22/SEP/71

NASF: GSF: 41,971 68,105 .62

NASF/GSF: TENDER/ESTIMATE DATE:

06/71

CONSTRUCTION TIME:

07/71 - 07/72

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 32.8 |
| Site Develop. (Incl.) | 3,780 | .20 | .06 | .09 | | |
| Alter'ns & Renova'ns | _ | _ | | _ | Special Purpose | |
| Site Development Indirect & Gen'l Exp | 3,780 | .20 | .06 | .09 | Research Laboratory Dry Lab | 3.3 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 25.5 |
| Int, Vert, Elements Multi-Storey Elements Interior Finishes | | | | | Library | 8.8 |
| Building Equipment | 70,434 | 3.00 | 1.03 | 1.68 | Physical Education | _ |
| Cash Allowance | 41,610 | 1.80 | .61 | .99 | | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 1,062,331 | 44.80 | 15.60 | 25.31 | Audio Visual | _ |
| Building Cost | 1,174,375 | 49.50 | 17.24 | 27.98 | Clinic | - |
| Junuing Cost | | | | | Demonstration | ***** |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 546,745 | 23.10 | 8.03 | 13.03 | Assembly | |
| viechanicai | | | | | Exhibition | |
| Electrical | 121,600 | 5.10 | 1.79 | 2.90 | Food | 13.7 |
| Fed. Sales Tax Rebate | 55,400 | 2.30 | .81 | 1.32 | Recreation | 15.9 |
| red. Sales fax recour | | | | | | |
| Sub-Total 'A' | 1,791,100 | 75.50 | 26.30 | 42.67 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 228,400 | 9.60 | 3.35 | 5.44 | Physical Plant | _ |
| Miscellaneous | 53,700 | 2.30 | .79 | 1.28 | | |
| | | | | 0.00 | Central Utility | _ |
| Sub-Total 'B' | 282,100 | 11.90 | 4.14 | 6.72 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| | | 44 86 | 4.04 | 0.50 | | |
| Furniture | 272,800 | 11.50 | 4.01 | 6.50 | Non-Assignable | |
| Equipment | 25,000 | 1.10 | .37 | .60 | Custodial | |
| | 00#.06= | 10.00 | 4.0** | = 10 | Circulation | |
| Sub-Total 'C' | 297,800 | 12.60 | 4.37 | 7.10 | Mechanical Rest Room | |
| Total Project Cost | 2,371,000 | 100.00 | 34.81 | 56.49 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

CENTRE FOR FINE ARTS PHASE 2

Y0065 ARTS

USE CATEGORY TYPE: LABORATORY

220 720

NEW BUILDING

UACP CODE: 05/71 SUBMISSION DATE:

NASF: GSF:

72,814 118,714 .61

NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

05/71 11/71 - 01/73

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop, (Excl.) | 88,400 | 2.30 | .74 | 1.21 | Classroom | 5.3 |
| Site Develop. (Incl.) | 32,000 | .80 | .27 | .44 | | |
| Alter'ns & Renova'ns | 30,000 | .80 | .25 | .41 | Special Purpose | |
| Site Development | 150,400 | 3.90 | 1.27 | 2.07 | Research | _ |
| | | | | | Laboratory | 67.3 |
| Indirect & Gen'l Exp | 227,700 | 5.90 | 1.92 | 3.13 | Dry Lab | |
| Substructure | 94,000 | 2.40 | .79 | 1.29 | Wet Lab | |
| Horizontal Elements | 548,000 | 14.30 | 4.62 | 7.53 | | |
| Exterior Cladding | 396,500 | 10.30 | 3.34 | 5.45 | Office | 20.8 |
| Int. Vert. Elements | 157,000 | 4.10 | 1.32 | 2.16 | | |
| Multi-Storey Elements | 65,000 | 1.70 | .55 | .89 | Library | _ |
| Interior Finishes | 155,000 | 4.00 | 1.31 | 2.13 | | |
| Building Equipment | 64,500 | 1.70 | .54 | .89 | Physical Education | _ |
| Cash Allowance | 75,000 | 2.00 | .63 | 1.03 | | |
| Built-in Equipment | 10,000 | .30 | .08 | .14 | Special Use | |
| Architectural | 4 700 700 | 40.70 | | | Audio Visual | <u></u> |
| Building Cost | 1,792,700 | 46.70 | 15.10 | 24.62 | Clinic | |
| | 450.000 | | | | Demonstration | _ |
| Plumbing & Drains | 178,000 | 4.60 | 1.50 | 2.44 | | |
| Heat. Vent. & Cond. | 567,000 | 14.80 | 4.78 | 7.79 | General Use | |
| fechanical fechanical | 745,000 | 19.40 | 6.28 | 10.23 | Assembly | |
| | | | | | Exhibition | 3.5 |
| Electrical | 300,300 | 7.80 | 2.53 | 4.12 | Food | _ |
| Fed. Sales Tax Rebate | 85,000 | 2.20 | .72 | 1.17 | Recreation | 2.8 |
| Sub-Total 'A' | 2,903,400 | 75.60 | 24.46 | 39.87 | Supporting | |
| | | | | | Data Processing | — |
| | | | | | Shops | |
| Fees | 238,000 | 6.20 | 2.00 | 3.27 | Physical Plant | _ |
| Miscellaneous | 84,500 | 2.20 | .71 | 1.16 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 322,500 | 8.40 | 2.72 | 4.43 | | |
| | | | | | Total NASF | 100% |
| Furniture | 314,100 | 8.20 | 2.65 | 4.31 | Non-Assignable | |
| Equipment | 300,000 | 7.80 | 2.53 | 4.12 | Custodial | |
| -derbitters | | | | | Circulation | |
| Sub-Total 'C' | 614,100 | 16.00 | 5.17 | 8.43 | Mechanical | |
| July 10 var 0 | | | | | Rest Room | |
| Total Project Cost | 3,840,000 | 100.00 | 32.35 | 52.74 | Unassignable | |
| Total Florett Cost | 0,040,000 | 100.00 | 02.00 | 02.1.1 | Omnosignatio | |
| | | | | | | |

Arts Buildings Additions

PROJECT NAME:

TRAILL COLLEGE ADD

PROJECT NUMBER: TR014 BUILDING TYPE: PROJECT TYPE:

ARTS

ADDITION

USE CATEGORY TYPE:

NASF: GSF:

13,227 22,670

NASF/GSF:

TENDER /ESTIMATE DATE.

.58

| UACP CODE: | H O | TENDER/ESTIMATE DATE: | 03/67 |
|-------------------|-------|-----------------------|---------------|
| UACP CODE: | 7-2 | CONSTRUCTION TIME: | 00108 11108 |
| CITEMICCION DAME. | 01/00 | CONSTRUCTION TIME: | 03/67 - 11/67 |
| SUBMISSION DATE: | 01/69 | MARKET CONDITION: | BUSY |
| | | | |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|------------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 10,600 19,402 | 1.30 | .47 | .80 | Classroom | .4 |
| Alter'ns & Renova'ns | 15,402 | 2.50 — | .86 — | 1.47 | 2 | |
| Site Development | 30,002 | 3.80 | 1.32 | 2.27 | Special Purpose Research | |
| | 00,002 | 0,00 | 1.02 | 2.21 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 1100 200 | |
| Exterior Cladding | | | | | Office | 41.6 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment | | | | | 0 | |
| Architectural | **** | | | | Special Use | |
| Building Cost | 538,269 | 68.00 | 23.74 | 40.69 | Audio Visual Clinic | _ |
| Dunianing Cost | 538,269 | 68.00 | 23.74 | 40.69 | Demonstration | 10.2 |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 42,513 | 5.40 | 1.88 | 3.21 | Assembly | N-riverse (|
| | 72,010 | 0.10 | 1.00 | 0.21 | Exhibition | _ |
| Electrical | 87,098 | 11.00 | 3.84 | 6.58 | Food | 47,5 |
| Fed. Sales Tax Rebate | 27,600 | 3.50 | 1,22 | 2.09 | Recreation | _ |
| | | | | | | |
| Sub-Total 'A' | 670,282 | 84.70 | 29.57 | 50.68 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 44.088 | * ** | | | Shops | _ |
| r ees Miscellaneous | 41,857 | 5,30 | 1.85 | 3.16 | Physical Plant | - |
| Miscenaneous | 23,433 | 3.00 | 1.03 | 1.77 | Central Utility | |
| Sub-Total 'B' | CE 000 | 8.20 | 2.88 | 4.04 | Central Othity | _ |
| bub-10tat B | 65,290 | 8,20 | 2,88 | 4.94 | Total NASF | 99.7% |
| | | | | | 10001147101 | 33.170 |
| Furniture | 54,043 | 6.80 | 2.38 | 4.09 | Non-Assignable | |
| Equipment | 2,015 | ,30 | .09 | .15 | Custodial | |
| | _, | , | ,,,, | * | Circulation | |
| Sub-Total 'C' | 56,058 | 7.10 | 2.47 | 4.24 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 791,630 | 100.0 | 34.92 | 59.85 | Unassignable | |
| Total Project Cost | 191,630 | 100.0 | 34.92 | 09.80 | Unassignable | |

PROJECT NAME:

MUSIC BUILDING ADDITION 1965

PROJECT NUMBER: WE006 BUILDING TYPE:

ARTS

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 09/70

ADDITION 7-2

USE CATEGORY TYPE:

NASF:

3,556

GSF: NASF/GSF: 5,490 .65

TENDER/ESTIMATE DATE: 05/64

CONSTRUCTION TIME:

06/64 - 12/64

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 150 | ,20 | .03 | .04 | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | _ | | _ | Special Purpose | |
| Site Development | 150 | .20 | .03 | .04 | Research | _ |
| No Development | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | • | | | | Office | _ |
| Int, Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 1,400 | 1.40 | .26 | .39 | , | |
| Built-in Equipment | 1,400 | | - | _ | Special Use | |
| Architectural | 54,703 | 55.90 | 9.96 | 15.38 | Audio Visual | |
| Building Cost | 56,103 | 57.30 | 10.22 | 15.78 | Clinic | **** |
| unding Cost | 56,103 | 97.30 | 10,22 | 10.76 | Demonstration | _ |
| Plumbing & Drains | | | | | 2011011011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| | 21,000 | 21.40 | 3.83 | 5.91 | Assembly | _ |
| Mechanical | 21,000 | 21.40 | 0.00 | 0.91 | Exhibition | _ |
| Planting! | 8,700 | 8.90 | 1.58 | 2.45 | Food | |
| Electrical | 7 | 3.50 | .63 | .97 | Recreation | _ |
| Fed. Sales Tax Rebate | 3,460 | 3,30 | .00 | .51 | itecication | |
| 1.1. DO - 4 - 3 (A 2 | 00 400 | 04.00 | 15.03 | 23.20 | Supporting | |
| Sub-Total 'A' | 82,493 | 84.20 | 15.03 | 23.20 | Data Processing | - |
| | | | | | Shops | _ |
| | # 001 | F 40 | 077 | 1.40 | Physical Plant | _ |
| Fees | 5,301 | 5.40 | .97 | 1.49 | I Hy Sical I lant | |
| Miscellaneous | 651 | .70 | .12 | .18 | Central Utility | _ |
| | | | | | Central Othicy | |
| Sub-Total 'B' | 5,952 | 6.10 | 1.08 | 1.67 | Total NASF | 0.0% |
| | | | | | TOTAL NAST | 0.070 |
| 7 | | 0.00 | 4.50 | 0.08 | Non-Assignable | |
| Furniture | 9,483 | 9.70 | 1.73 | 2.67 | Custodial | |
| Equipment | | _ | | _ | Circulation | |
| | | | | | | |
| Sub-Total 'C' | 9,483 | 9.70 | 1.73 | 2.67 | Mechanical | |
| | | | | | Rest Room | |
| 7 4 1 Por 12 4 Cont | 0 11 0 0 0 | 100.00 | 4804 | | Unassignable | |
| Total Project Cost | 97,928 | 100.00 | 17.84 | 27.54 | Unassignable | |

PROJECT NAME: BUILDING TYPE: UNIVERSITY COLLEGE ADDITION

PROJECT NUMBER: WE015

ARTS

ADDITION PROJECT TYPE: UACP CODE: 7-2 SUBMISSION DATE: 02/66

USE CATEGORY TYPE:

NASF: GSF:

19,007 33,822

NASF/GSF:

.56

TENDER/ESTIMATE DATE: 02/66 CONSTRUCTION TIME: 03/66 - 05/67

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| lite Development | | | | | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment Cash Allowance | | | | | I II y Sicar Dancavion | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | - |
| Building Cost | | | | | Clinic | _ |
| unding Cost | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| | | | | | Exhibition | Anna |
| Electrical | | | | 44 | Food | |
| Fed. Sales Tax Rebate | | | | | Recreation | |
| Sub-Total 'A' | 849,924 | 81.90 | 25.13 | 44.72 | Supporting | |
| 740 100411 | 010,011 | | | | Data Processing | - |
| | | | | | Shops | _ |
| Fees | . 58,039 | 5,60 | 1.72 | 3.05 | Physical Plant | _ |
| Miscellaneous | 41,032 | 4.00 | 1.21 | 2.16 | | |
| | · | | | | Central Utility | |
| Sub-Total 'B' | 99,071 | 9.50 | 2.93 | 5.21 | | 0.0% |
| | | | | | Total NASF | 0.0% |
| Furniture | 88,531 | 8.50 | 2.62 | 4.66 | Non-Assignable | |
| Equipment | _ | | _ | | Custodial | |
| 7 7 | | | | | Circulation | |
| Sub-Total 'C' | 88,531 | 8.50 | 2.62 | 4.66 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 1,037,526 | 100.00 | 30.68 | 54.59 | Unassignable | |

PROJECT NAME:

R IVEY BUSINESS SCHOOL ADDITION

PROJECT NUMBER: WE017

USE CATEGORY TYPE:

NASF: GSF:

37,237 55,078

BUILDING TYPE:

ARTS

NASF/GSF:

.68

PROJECT TYPE:

ADDITION

TENDER/ESTIMATE DATE: 04/67

UACP CODE:

CONSTRUCTION TIME:

06/67 - 02/69

SUBMISSION DATE: 04/67

7-2

NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 44.0 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | # 6 |
| Site Development | | | | | Research | 7.2 |
| | | | | | Laboratory | 2.6 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 33.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 5.7 |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | .5 |
| Building Cost | | | | | Clinic | _ |
| fullding Cost | | | | | Demonstration | _ |
| Blooking & Doning | | | | | 19011011011011 | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | | | | Assembly | _ |
| Mechanical | | | | | Exhibition | _ |
| | | | | | Food | 5.1 |
| Electrical | | | | | Recreation | |
| Fed. Sales Tax Rebate | | | | | Recreation | |
| Sub-Total 'A' | 1,656,848 | 78.10 | 30.08 | 44.49 | Supporting | |
| oub-Total 'A' | 1,000,040 | 76.10 | 30.00 | 77.70 | Data Processing | |
| | | | | | Shops | _ |
| | 00 500 | 4 770 | 1.81 | 2.68 | Physical Plant | 1.8 |
| Fees | 99,733 | 4.70 | .36 | .53 | Filysical Flair | 1.0 |
| Miscellaneous | 19,828 | .90 | .00 | ,00 | Central Utility | _ |
| | | # aa | 0.18 | 3.21 | Central Othlity | |
| Sub-Total 'B' | 119,561 | 5.60 | 2.17 | 3.21 | m . 137.40P | 100.0% |
| | | | | | Total NASF | 100.0% |
| | 184.001 | 0.00 | 2.10 | 4.67 | No. of A. of many 1.1s. | |
| Furniture | 174,024 | 8.20 | 3.16 | | Non-Assignable | |
| Equipment | 134,261 | 6.30 | 2.44 | 3.61 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 308,285 | 14.50 | 5.60 | 8.28 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,121,025 | 100.00 | 38.51 | 56.96 | Unassignable | |
| | 2,121,020 | 100.00 | 00.01 | 00.00 | | |

PROJECT NAME:

FACULTY OF MUSIC—TALBOT COLLEGE

PROJECT NUMBER: BUILDING TYPE:

WE035 ARTS

PROJECT TYPE: ADDITION UACP CODE: 7-1 SUBMISSION DATE: 08/70

NASF:

GSF:

27,409

NASF/GSF:

53,397 .51

TENDER/ESTIMATE DATE: 08/70

09/70 - 09/71

CONSTRUCTION TIME: MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | 7,500 | .40 | .14 | .27 | Classroom | _ |
| Site Develop. (Incl.) | 28,900 | 1.40 | .54 | 1.05 | | |
| Alter'ns & Renova'ns | 4,650 | .20 | .09 | .17 | Special Purpose | |
| Site Development | 41,050 | 2.00 | .77 | 1.50 | Research | _ |
| | | | | | Laboratory | 85.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | 0.00 | * • |
| Int, Vert, Elements | | | | | Office | 5.2 |
| Multi-Storey Elements | | | | | T 33- manua | |
| Interior Finishes | | | | | Library | |
| Building Equipment | 12,000 | .60 | .22 | .44 | Physical Education | _ |
| Cash Allowance | 29,504 | 1.50 | .55 | 1.08 | Filysical Education | |
| Built-in Equipment | 25,304 | - | | - | Special Use | |
| Architectural | 988,340 | 48.80 | 18.51 | 36.06 | Audio Visual | _ |
| Building Cost | 1,029,844 | 50.90 | 19.29 | 37.57 | Clinic | _ |
| | 1,020,011 | 00.00 | 10.20 | 07.07 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 266,650 | 13.20 | 4.99 | 9.73 | Assembly | 9.6 |
| | | | | | Exhibition | |
| Electrical | 138,046 | 6.80 | 2.59 | 5.04 | Food | |
| Fed. Sales Tax Rebate | 42,790 | 2.10 | .80 | 1.56 | Recreation | |
| Sub-Total 'A' | 1,432,800 | 70.80 | 26.83 | 52.27 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 99,700 | 4.90 | 1.87 | 3.64 | Physical Plant | _ |
| Miscellaneous | 18,000 | .90 | .34 | .66 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 117,700 | 5.80 | 2.20 | 4.29 | | 400.00 |
| | | | | | Total NASF | 100.0% |
| Furniture | 90,500 | 4.50 | 1.69 | 3.30 | Non-Assignable | |
| Equipment | 384,000 | 19.00 | 7.19 | 14.01 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 474,500 | 23.40 | 8.89 | 17.31 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,025,000 | 100.00 | 37.92 | 73.88 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

PATERSON HALL - ALTERATIONS

PROJECT NUMBER: BUILDING TYPE:

7 - 1

09/69

ALTERATION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: USE CATEGORY TYPE:

NASF:

GSF:

22,250

NASF/GSF:

TENDER/ESTIMATE DATE: 08/69 CONSTRUCTION TIME:

09/69 - 03/70

SLACK MARKET CONDITION:

% OF TOTAL ACTUAL ACTUAL ACTUAL % OF TOTAL NASF AREA \$/NASF USE CATEGORY \$/GSF COST COST COST ELEMENT Classroom Site Develop, (Excl.) .13 3,000 1.90 Site Develop. (Incl.) Special Purpose Alter'ns & Renova'ns Research 1.90 .13 Site Development 3,000 Laboratory Dry Lab Indirect & Gen'l Exp Wet Lab Substructure Horizontal Elements Office **Exterior Cladding** Int. Vert. Elements Library Multi-Storey Elements Interior Finishes Physical Education **Building Equipment** .36 Cash Allowance 8,000 5.10 Special Use Built-in Equipment Audio Visual 4.22 Architectural 93,989 60.40 Clinic 101,989 65.50 4.58 **Building Cost** Demonstration Plumbing & Drains General Use Heat. Vent. & Cond. Assembly 12.50 .88 19,500 Mechanical Exhibition Food Electrical 3.10 .22 4,800 Recreation Fed. Sales Tax Rebate 5.81 Supporting 129,289 83.10 Sub-Total 'A' **Data Processing** Shops Physical Plant .58 8.30 Fees 12,929 .17 Miscellaneous 3,879 2.50 Central Utility 10.80 .76 16,808 Sub-Total 'B' Total NASF 0.0% Non-Assignable 9,500 6.10 .43 Furniture Custodial Equipment Circulation 6.10 .43 Mechanical 9,500 Sub-Total 'C' Rest Room 100.00 6.99 Unassignable 155,597 **Total Project Cost**

PROJECT NAME:

PROJECT NUMBER: CA068 BUILDING TYPE:

ARTS ALTERATION

PROJECT TYPE: UACP CODE:

SUBMISSION DATE: 03/71

LOEB BUILDING ALTERATIONS 1970-71

USE CATEGORY TYPE:

NASF: GSF:

10,100

NASF/GSF:

TENDER/ESTIMATE DATE: 03/71

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 3.8 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | 0.0 |
| Site Development | | | | | Special Purpose | |
| nte Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | 53.2 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 40.0 |
| Int. Vert. Elements | | | | | Office | 43.0 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | Joseph Dancapion | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | 67,599 | 73.00 | _ | 6.69 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| T10 1 1 0 | | | | | Exhibition | anana. |
| Electrical | | | | to. | Food | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| Sub-Total 'A' | 67,599 | 73.00 | _ | 6.69 | Supporting | |
| | 0.,000 | . 0.00 | | 0.00 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | • | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 8,788 | 9.50 | _ | .87 | | |
| | | | | | Total NASF | 100.0% |
| Furniture | 16,192 | 17,50 | _ | 1.60 | Non-Assignable | |
| Equipment | aren . | _ | _ | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 16,192 | 17.50 | _ | 1.60 | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 92,579 | 100.00 | _ | 9.17 | Unassignable | |
| | 02,0.0 | 100.00 | | 9.11 | Uliassighable | |

PROJECT NAME: PATER PROJECT NUMBER: CA072

PATERSON HALL ALTERATIONS

BUILDING TYPE:

ARTS

PROJECT TYPE:

ALTERATION

UACP CODE: 7-1 SUBMISSION DATE: 05/71 NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 04/71

CONSTRUCTION TIME: MARKET CONDITION:

05/71 - 08/71 NORMAL

11,638

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 6,225 | 4.90 | _ | .53 | Classroom | |
| Site Develop. (Incl.) | _ | acquire | _ | _ | Special Purpose | |
| Alter'ns & Renova'ns | sales . | | _ | .53 | Research | |
| ite Development | 6,225 | 4.90 | | .53 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements | | | | | Distary | |
| Interior Finishes Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 15,000 | 11.80 | | 1.29 | | |
| Built-in Equipment | | _ | | - | Special Use | |
| Architectural | 46,758 | 36.80 | _ | 4.02 | Audio Visual Clinic | |
| uilding Cost | 61,758 | 48.70 | _ | 5.31 | Demonstration | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 21,120 | 16.60 | | 1.81 | Assembly | _ |
| [echanical | 21,140 | 20.00 | | | Exhibition | _ |
| Electrical | 17,900 | 14.10 | _ | 1.54 | Food | _ |
| Fed. Sales Tax Rebate | _ | _ | - | | Recreation | _ |
| ub-Total 'A' | 107,003 | 84.30 | | 9.19 | Supporting | |
| up-10tal A | 101,000 | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 10,700 | 8.40 | _ | .92 | Physical Plant | |
| Miscellaneous | 3,210 | 2.50 | _ | .28 | Central Utility | |
| | | 44.00 | | 1.20 | Central Culity | |
| sub-Total 'B' | 13,910 | 11.00 | _ | 1.20 | Total NASF | 0.0% |
| | 0.000 | 4.70 | _ | .52 | Non-Assignable | |
| Furniture | 6,000 | 4.70 | | _ | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 6,000 | 4.70 | · | .52 | Mechanical | |
| oub-Total C | | | | | Rest Room | |
| Cotal Project Cost | 126,913 | 100.00 | _ | 10.91 | Unassignable | |

USE CATEGORY TYPE:

18,442

PROJECT COST/SPACE RECORD

PROJECT NAME:

ALTERATION 1970-71

PROJECT NUMBER: ER009 BUILDING TYPE:

ARTS

PROJECT TYPE:

ALTERATION

UACP CODE: 7-1 SUBMISSION DATE: 06/70 USE CATEGORY TYPE:

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 06/70

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | _ |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| te Development | | | | | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes Building Equipment | | | | | D1 -1 3 D3 -11 | |
| Cash Allowance | | | | | Physical Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | - |
| uilding Cost | | | | | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | | | | | Assembly | - |
| | | | | | Exhibition | _ |
| Electrical | | | | | Food | - |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| ub-Total 'A' | 49,900 | 81.70 | | 2.71 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | Control WATER | _ |
| ub-Total 'B' | | | | | Central Utility | |
| | | | | | Total NASF | 0.0% |
| Furniture | 11,211 | 18.30 | _ | .61 | Non-Assignable | |
| Equipment | | _ | _ | _ | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 11,211 | 18.30 | _ | .61 | Mechanical | |
| | | | | | Rest Room | |
| tal Project Cost | 61,111 | 100.00 | _ | 3.31 | Unassignable | |
| | | | | | | |

PROJECT NAME: PROJECT NUMBER: SIDNEY SMITH HALL AIR CONDITION

TO040 ARTS

USE CATEGORY TYPE:

BUILDING TYPE: PROJECT TYPE:

ALTERATION

7-1

UACP CODE: SUBMISSION DATE: 01/68 NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

04/66 05/66 - 09/70

MARKET CONDITION:

BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns | | | | | Research | _ |
| ite Development | | | | | Laboratory | - |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | → |
| Multi-Storey Elements Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | Special Use | |
| Built-in Equipment | | 1.00 | | | Audio Visual | _ |
| Architectural | 21,689 | 1.20 1.20 | _ | | Clinic | _ |
| suilding Cost | 21,689 | 1.20 | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | _ |
| [echanical | 1,523,362 | 84.80 | | | Assembly Exhibition | |
| | | | | | Food | _ |
| Electrical Fed. Sales Tax Rebate | | | | | Recreation | _ |
| red. Sales Tax Repate | | | | | | |
| Sub-Total 'A' | 1,545,051 | 86.00 | - | | Supporting | |
| | | | | | Data Processing Shops | _ |
| | 116,530 | 6.50 | | _ | Physical Plant | |
| Fees | 111,134 | 6.20 | - | | | |
| Miscellaneous | 222,202 | | | | Central Utility | _ |
| Sub-Total 'B' | 227,664 | 12.70 | - | _ | | 0.00 |
| | | | | | Total NASF | 0.0% |
| | 1,306 | ,10 | _ | _ | Non-Assignable | |
| Furniture | 22,903 | 1.30 | _ | alarm. | Custodial | |
| Equipment | 22,000 | | | | Circulation | |
| Sub-Total 'C' | 24,209 | 1.30 | ^ | | Mechanical | |
| | | | | | Rest Room | |
| | 4 800 004 | 100.00 | _ | _ | Unassignable | |
| Total Project Cost | 1,796,924 | 100.00 | | | OndoorBrianic | |

PROJECT NAME:

ALTER FOR COMPUTER - ESSEX HALL

PROJECT NUMBER: BUILDING TYPE:

WI032 ARTS

USE CATEGORY TYPE:

NASF: GSF:

2.292 2,415 .95

PROJECT TYPE:

ALTERATION

7-2

UACP CODE: SUBMISSION DATE: 11/68 NASF/GSF: TENDER/ESTIMATE DATE: 05/68

CONSTRUCTION TIME: MARKET CONDITION:

05/68 - 11/68SLACK

ACTUAL % OF TOTAL ACTUAL ACTUAL % OF TOTAL COST ELEMENT COST COST \$/GSF \$/NASF NASF AREA **USE CATEGORY** Site Develop. (Excl.) Classroom Site Develop. (Incl.) Alter'ns & Renova'ns Special Purpose Site Development Research Laboratory Indirect & Gen'l Exp Dry Lab Substructure Wet Lab Horizontal Elements Exterior Cladding Office Int. Vert. Elements Multi-Storey Elements Library Interior Finishes **Building Equipment** Physical Education Cash Allowance 697 1.30 .29 .30 Built-in Equipment Special Use Architectural 19,365 35.80 8.02 8.45 Audio Visual **Building Cost** 20,062 37.10 8.31 8.75 Clinic Demonstration Plumbing & Drains Heat., Vent. & Cond. General Use Mechanical 11,842 21.90 4.90 5.17 Assembly Exhibition 10,687 Electrical 19,80 4.43 4.66 Food Fed. Sales Tax Rebate Recreation Sub-Total 'A' 42,591 78.80 17.64 18.58 Supporting Data Processing Shops Fees 3,352 6.20 1.39 1.46 Physical Plant Miscellaneous 566 1.00 .23 .25 Central Utility Sub-Total 'B' 3,918 7.20 1.62 1.71 0.0% Total NASF Furniture 7.567 14.00 3.13 3.30 Non-Assignable Equipment Custodial Circulation Sub-Total 'C' 7,567 14.00 3.13 3.30 Mechanical Rest Room Total Project Cost 54,076 100,00 22.39 23.59 Unassignable

Arts Buildings Renovations

PROJECT NAME: PROJECT NUMBER: GU031

LANDSCAPE ARCHITECTURE

BUILDING TYPE:

ARTS

PROJECT TYPE: RENOVATION

UACP CODE: 7-2 SUBMISSION DATE: 10/70 USE CATEGORY TYPE:

NASF: GSF:

17,196 33,413 .51

NASF/GSF:

TENDER/ESTIMATE DATE: 04/68

04/68 - 01/69

CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|------------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 4,902 | .70 | .15 | .29 | Classroom | _ |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | _ | _ | _ | | |
| Site Development | 20,000 24,902 | 3.00 3.70 | .60 .75 | 1.16 1.45 | Special Purpose | |
| Site Development | 24,302 | 3.70 | .10 | 1,40 | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | agents |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 29,536 | 4.40 | .88 | 1.72 | Physical Education | |
| Cash Allowance | 11,882 | 1.80 | .36 | .69 | | |
| Built-in Equipment Architectural | - | | | _ | Special Use | |
| Building Cost | 273,045 | 40.50 | 8.17 | 15.88 | Audio Visual | _ |
| Building Cost | 314,463 | 46.70 | 9.41 | 18.29 | Clinic | - |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 170,889 | 25.40 | 5.11 | 9.94 | Assembly | _ |
| | 2,0,000 | 20110 | 0122 | 0,01 | Exhibition | _ |
| Electrical | 55,120 | 8.20 | 1.65 | 3.21 | Food | |
| Fed. Sales Tax Rebate | | _ | _ | - | Recreation | _ |
| Sub-Total 'A' | 565,374 | 83.90 | 16.92 | 32.88 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 44,838 | 6.70 | 1.34 | 2.61 | Physical Plant | _ |
| Miscellaneous | 2,074 | .30 | .06 | .12 | | |
| 6.1 (2.10) | 40.010 | W 00 | 4.40 | 0.50 | Central Utility | |
| Sub-Total 'B' | 46,912 | 7.00 | 1.40 | 2.73 | | 0.07 |
| | | | | | Total NASF | 0.0% |
| Furniture | 35,279 | 5,20 | 1.06 | 2.05 | Non-Assignable | |
| Equipment | 25,993 | 3.90 | .78 | 1.51 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 61,272 | 9.10 | 1.83 | 3.56 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 673,558 | 100.00 | 20.16 | 39.17 | Unassignable | |
| | | | | | | |

REMODELLING OF UNIVERSITY HALL PROJECT NAME:

PROJECT NUMBER: MC069 BUILDING TYPE:

USE CATEGORY TYPE:

ARTS

RENOVATION PROJECT TYPE:

7-1 UACP CODE: SUBMISSION DATE: 11/70 NASF: GSF: NASF/GSF: 25,039 47,724 .52

TENDER/ESTIMATE DATE: 10/70 11/70 - 09/71CONSTRUCTION TIME: MARKET CONDITION: NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| | | _ | _ | | Classroom | 23.8 |
| Site Develop. (Excl.) | | .20 | .02 | .05 | | |
| Site Develop. (Incl.) | 1,155 | | .10 | .18 | Special Purpose | |
| Alter'ns & Renova'ns | 4,630 | .70 | .12 | .23 | Research | _ |
| ite Development | 5,785 | .90 | .12 | .20 | Laboratory | _ |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 50.3 |
| Exterior Cladding | | | | | Office | 00.0 |
| Int. Vert. Elements | | | | | | 18.2 |
| Multi-Storey Elements | | | | | Library | 10.2 |
| Interior Finishes | | | | | | |
| Building Equipment | 1,230 | .20 | .03 | .05 | Physical Education | |
| | 25,675 | 3.80 | .54 | 1.03 | | |
| Cash Allowance | 2,675 | .40 | .06 | .11 | Special Use | |
| Built-in Equipment | 148,339 | 22.10 | 3.11 | 5.92 | Audio Visual | _ |
| Architectural | | 26.50 | 3.73 | 7.11 | Clinic | _ |
| suilding Cost | 177,919 | 20,50 | 0.70 | **** | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | | P 41 | 10.30 | Assembly | _ |
| [echanical | 257,982 | 38.50 | 5.41 | 10.30 | Exhibition | _ |
| | | | | 4.00 | | 7.7 |
| Electrical | 117,186 | 17.50 | 2.46 | 4.68 | Food | <u></u> |
| Fed. Sales Tax Rebate | _ | | _ | | Recreation | |
| ub-Total 'A' | 558,872 | 83.30 | 11.71 | 22.32 | Supporting | _ |
| ub-10tai 15 | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 44,710 | 6.70 | .94 | 1.79 | Physical Plant | _ |
| | 16,766 | 2.50 | .35 | .67 | | |
| Miscellaneous | 20,000 | | | | Central Utility | _ |
| | 61,476 | 9.20 | 1.29 | 2.46 | | |
| Sub-Total 'B' | 01,470 | 0.20 | | | Total NASF | 100.0% |
| | | | | | | |
| Furniture | 47,500 | 7.10 | 1.00 | 1.90 | Non-Assignable | |
| Equipment | 2,700 | .40 | .06 | .11 | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 50,200 | 7.50 | 1.05 | 2.00 | Mechanical | |
| Sup-10tal C | 33,233 | | | | Rest Room | |
| Total Project Cost | 670,548 | 100.00 | 14.05 | 26.78 | Unassignable | |

PROJECT NAME:

CENTRE FOR THE STUDY OF DRAMA P 1, 2

PROJECT NUMBER: TO491 BUILDING TYPE:

SUBMISSION DATE: 04/68

ARTS

7-2

USE CATEGORY TYPE:

NASF: GSF:

2,200

PROJECT TYPE: UACP CODE:

RENOVATION

NASF/GSF:

TENDER/ESTIMATE DATE: 04/68

CONSTRUCTION TIME:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
| Site Development | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.44 | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Disease of D.A. and | |
| Cash Allowance | | | | | Physical Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| Building Cost | | | | | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | |
| | | | | | Exhibition | |
| Electrical | | | | 10 | Food | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| Sub-Total 'A' | 87,386 | 95.10 | _ | 39.72 | Supporting | |
| | , | | | 00112 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 4,519 | 4.90 | | 2.05 | Physical Plant | _ |
| Miscellaneous | _ | | | _ | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 4,519 | 4.90 | _ | 2.05 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 01.005 | 100.00 | | 44 70 | Y7 | |
| | 91,905 | 100.00 | _ | 41.78 | Unassignable | |

PROJECT NAME: PROJECT NUMBER:

UACP CODE:

BORDEN GARAGE ACADEMIC CONVERSION

TO056 ARTS

USE CATEGORY TYPE:

NASF: GSF: NASF/GSF:

9,970 19,224 .52

BUILDING TYPE: PROJECT TYPE:

RENOVATION

7-1 SUBMISSION DATE: 06/68 TENDER/ESTIMATE DATE: 06/68

CONSTRUCTION TIME: MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop, (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | 0 | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| te Development | | | | | Laboratory | |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | 1100 240 | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 7,635 | 1.70 | .40 | .77 | | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 244,714 | 56.00 | 12.73 | 24.55 | Audio Visual | |
| uilding Cost | 252,349 | 57.70 | 13.13 | 25.31 | Clinic | |
| and the second | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | _ |
| Iechanical | 92,840 | 21.20 | 4.83 | 9.31 | Assembly | _ |
| | | | 1.00 | 0.01 | Exhibition Food | _ |
| Electrical | 38,000 | 8.70 | 1.98 | 3.81 | Recreation | - |
| Fed. Sales Tax Rebate | | _ | | _ | Recreation | |
| | 200 100 | 87.70 | 19.93 | 38.43 | Supporting | |
| ub-Total 'A' | 383,189 | 61.10 | 15.55 | 00,10 | Data Processing | |
| | | | | | Shops | _ |
| | 40,419 | 9.20 | 2.10 | 4.05 | Physical Plant | _ |
| Fees | 40,410 | _ | | _ | | |
| Miscellaneous | | | | | Central Utility | - |
| Sub-Total 'B' | 40,419 | 9.20 | 2.10 | 4.05 | | 0.0% |
| oup-lotal b | , | | | | Total NASF | 0.070 |
| | 13,500 | 3.10 | .70 | 1.35 | Non-Assignable | |
| Furniture | 13,300 | - | | _ | Custodial | |
| Equipment | | | | | Circulation | |
| 3.1 m + 1.601 | 13,500 | 3.10 | .70 | 1.35 | Mechanical | |
| Sub-Total 'C' | 20,000 | | | | Rest Room | |
| Fotal Project Cost | 437,108 | 100.00 | 22.74 | 43.84 | Unassignable | |

PROJECT NAME:

CENTRE FOR THE STUDY OF DRAMA PH 3, 4 & 5

PROJECT NUMBER:

SUBMISSION DATE: 04/68

TO492

USE CATEGORY TYPE:

NASF: GSF:

8,115

BUILDING TYPE: PROJECT TYPE: UACP CODE:

ARTS RENOVATION

NASF/GSF:

TENDER/ESTIMATE DATE: 04/68

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| Building Cost | | | | | Clinic | |
| Plumbing & Drains | | | | | Demonstration | — |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | namer. |
| | | | | | Exhibition | _ |
| Electrical | | | | | Food | |
| Fed. Sales Tax Rebate | | | | • | Recreation | |
| ub-Total 'A' | 66,590 | 58.90 | _ | 8.21 | Supporting | |
| | 55,555 | | | **** | Data Processing | |
| | | | | | Shops | _ |
| Fees | 10,278 | 9.10 | | 1.27 | Physical Plant | _ |
| Miscellaneous | _ | _ | _ | | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 10,278 | 9.10 | _ | 1.27 | | 0.0% |
| | | | | | Total NASF | 0.070 |
| Furniture | 36,135 | 32.00 | _ | 4.45 | Non-Assignable | |
| Equipment | - | _ | | _ | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 36,135 | 32.00 | _ | 4.45 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 113,003 | 100.00 | | 13.93 | Unassignable | |

PROJECT NAME:

PSYCHOLOGY-SUPPL ARTS 3-68

PROJECT NUMBER: WA046 BUILDING TYPE:

ARTS RENOVATION PROJECT TYPE: 7-1

UACP CODE: SUBMISSION DATE: 01/69 USE CATEGORY TYPE:

NASF: GSF:

7,370 10,600

NASF/GSF:

TENDER/ESTIMATE DATE: 01/69

CONSTRUCTION TIME:

01/69 - 06/69

.70

| ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------|---|---|--|---|---|
| | | | | Classroom | 20.2 |
| | | | | Special Purpose | |
| | | | | Research | - |
| | | | | Laboratory | 57.1 |
| | | | | Dry Lab | |
| | | | | Wet Lab | |
| | | | | Office | 22.6 |
| | | | | Office | |
| | | | | Library | _ |
| | | | | | |
| | | | | Physical Education | |
| | | | | Special Use | |
| | | | | | - |
| | | | | Clinic | |
| JJ,JJ. | 21110 | 0,10 | | Demonstration | _ |
| | | | | Comment | |
| | | | | | _ |
| 20,541 | 5.70 | 1.94 | 2.79 | Exhibition | _ |
| 12.008 | 3.30 | 1.13 | 1.63 | Food | |
| | 1.50 | .50 | .72 | Recreation | _ |
| • | | | | Gtime | |
| 127,200 | 35.30 | 12.00 | 17.26 | | |
| | | | | Shops | _ |
| 10 176 | 2.80 | .96 | 1.38 | Physical Plant | _ |
| 3,816 | 1.10 | .36 | .52 | | _ |
| | | | | Central Utility | |
| 13,992 | 3.90 | 1.32 | 1.90 | Total NASE | 99.9% |
| | | | | 1000111001 | |
| 19.080 | 5.30 | 1.80 | 2.59 | Non-Assignable | |
| 200,000 | 55.50 | 18,87 | 27.14 | Custodial | |
| | | | | | |
| 219,080 | 60.80 | 20.67 | 29.73 | | |
| | | | | *************************************** | |
| 360.272 | 100.00 | 33.99 | 48.88 | Unassignable | |
| | 5,000 2,437 92,514 99,951 20,541 12,008 5,300 127,200 10,176 3,816 13,992 19,080 200,000 219,080 | 5,000 1.40 2,437 .70 92,514 25.70 99,951 27.70 20,541 5.70 12,008 3.30 5,300 1.50 127,200 35.30 10,176 2.80 3,816 1.10 13,992 3.90 19,080 5.30 200,000 55.50 219,080 60.80 | 5,000 1.40 .47 2,437 .70 .23 92,514 25.70 8.73 99,951 27.70 9.43 20,541 5.70 1.94 12,008 3.30 1.13 5,300 1.50 .50 127,200 35.30 12.00 10,176 2.80 .96 3,816 1.10 .36 13,992 3.90 1.32 19,080 5.30 1.80 200,000 55.50 18,87 219,080 60.80 20.67 | COST \$/GSF \$/NASF 5,000 1.40 .47 .68 2,437 .70 .23 .33 92,514 25.70 8.73 12.55 99,951 27.70 9.43 13.56 20,541 5.70 1.94 2.79 12,008 3.30 1.13 1.63 5,300 1.50 .50 .72 127,200 35.30 12.00 17.26 10,176 2.80 .96 1.38 3,816 1.10 .36 .52 13,992 3.90 1.32 1.90 19,080 5.30 1.80 2.59 200,000 55.50 18,87 27.14 219,080 60.80 20.67 29.73 | COST COST \$/GSF \$/NASF USE CATEGORY |

6,296

PROJECT COST/SPACE RECORD

PROJECT NAME:

MODERN LANGUAGE RENOVATIONS

PROJECT NUMBER: WA071 BUILDING TYPE:

ARTS

PROJECT TYPE:

RENOVATION

UACP CODE: 7-1 SUBMISSION DATE: 09/70 USE CATEGORY TYPE:

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 08/70

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | - |
| Alter'ns & Renova'ns Site Development | | | | | Special Purpose Research | _ |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | _ |
| Exterior Cladding Int. Vert. Elements | | | | | Office | _ |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment Architectural | 10,890 | 18.00 | | 1.73 | Special Use Audio Visual | |
| Building Cost | 10,890 | 18.00 | _ | 1.73 | Clinic | _ |
| | | | | 20 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. Mechanical | | | | | General Use | |
| Mechanical | | | | | Assembly Exhibition | |
| Electrical | 1,800 | 3.00 | _ | .29 | Food | _ |
| Fed. Sales Tax Rebate | - | | _ | - | Recreation | quant |
| Sub-Total 'A' | 12,690 | 20.90 | | 2.02 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 1,269 | 2.10 | - . | 200 | Shops | <u></u> |
| Miscellaneous | 381 | .60 | | .20 .06 | Physical Plant | _ |
| | | | | .00 | Central Utility | _ |
| Sub-Total 'B' | 1,650 | 2.70 | _ | .26 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 3,840 | 6.30 | - | .61 | Non-Assignable | |
| Equipment | 42,414 | 70,00 | _ | 6.74 | Custodial | |
| Sub-Total 'C' | 46,254 | 76.30 | _ | 7.35 | Circulation Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 60,594 | 100.00 | - | 9.62 | Unassignable | |
| | | | | | | |

Education Buildings

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

PROJECT TYPE:

UACP CODE:

FACULTY OF EDUCATION BUILDING

OT052 EDUCATION NEW BUILDING

10/70

USE CATEGORY TYPE: CLASSROOM

LABORATORY 100 220

NASF: GSF:

85,210 132,800 .64

NASF/GSF: TENDER/ESTIMATE DATE: 10/70

CONSTRUCTION TIME: 12/71 - 08/73

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | 125,865 | 2.70 | .95 | 1.48 | Classroom | 19.2 |
| Site Develop, (Incl.) Alter'ns & Renova'ns | 51,350 | 1.10 | .39 | .60 | | |
| Site Development | 177,215 | 3.80 | 1.33 | 2.08 | Special Purpose | |
| Site Development | 177,210 | 3.60 | 1.00 | 2.00 | Research | 0.9 |
| Indirect & Gen'l Exp | 385,587 | 8.20 | 2.90 | 4.53 | Laboratory Dry Lab | 16.1 |
| Substructure | 152,500 | 3.20 | 1.15 | 1.79 | Wet Lab | |
| Horizontal Elements | 718.970 | 15.30 | 5.41 | 8.44 | Wet Lab | |
| Exterior Cladding | 377,051 | 8.00 | 2.84 | 4.42 | Office | 13.3 |
| Int. Vert. Elements | 221,890 | 4.70 | 1.67 | 2.60 | 011100 | 10.0 |
| Multi-Storey Elements | 142,680 | 3.00 | 1.07 | 1.67 | Library | 16.1 |
| Interior Finishes | 305,027 | 6.50 | 2.30 | 3.58 | | 20,1 |
| Building Equipment | 47,830 | 1.00 | .36 | .56 | Physical Education | 0.5 |
| Cash Allowance | 121,580 | 2.60 | .92 | 1.43 | | |
| Built-in Equipment | 58,886 | 1.30 | .44 | .69 | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | 2,532,001 | 53.90 | 19.07 | 29.71 | Clinic | 44.0 |
| . | 111100 | | | | Demonstration | _ |
| Plumbing & Drains | 144,100 | 3.10 | 1.09 | 1.69 | | |
| Heat. Vent. & Cond. | 624,160 | 13.30 | 4.70 | 7.32 | General Use | |
| Mechanical | 768,260 | 16.30 | 5.79 | 9.02 | Assembly | - |
| T1- 4 * 1 | 427.620 | 9.10 | 3.22 | r 00 | Exhibition | dentil |
| Electrical | 111,836 | 2.40 | .84 | 5.02 | Food | |
| Fed. Sales Tax Rebate | 111,000 | 2.40 | .04 | 1.31 | Recreation | 6.1 |
| Sub-Total 'A' | 3,793,260 | 80.70 | 28.56 | 44.52 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | **** |
| Fees | 266,720 | 5.70 | 2.01 | 3.13 | Physical Plant | _ |
| Miscellaneous | 100,020 | 2.10 | .75 | 1.17 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 366,740 | 7.80 | 2.76 | 4.30 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 270,000 | 5.70 | 2.03 | 3.17 | Non-Assignable | |
| Equipment | 270,000 | 5.70 | 2.03 | 3.17 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 540,000 | 11.50 | 4.07 | 6.34 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 4,700,000 | 100.00 | 35.39 | 55.16 | Unassignable | |

22/SEP/71

NASE:

PROJECT NAME: PROJECT NUMBER: MCARTHUR COLLEGE ACADEMIC BLDG 1968

QU063 EDUCATION

USE CATEGORY TYPE:

BUILDING TYPE: PROJECT TYPE:

NEW BUILDING

UACP CODE: SUBMISSION DATE:

11/68

GSF: NASF/GSF: 107,997 191,532 .56

TENDER/ESTIMATE DATE: 11/68

CONSTRUCTION TIME:

02/69 - 08/70

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | _ | | _ | Classroom | 18.0 |
| Site Develop. (Incl.) | 222,759 | 2.90 | 1.16 | 2.06 | | 2010 |
| Alter'ns & Renova'ns | — | emega- | | | Special Purpose | |
| Site Development | 222,759 | 2.90 | 1.16 | 2.06 | Research | _ |
| | | | | | Laboratory | 21.8 |
| Indirect & Gen'l Exp | 423,162 | 5.60 | 2.21 | 3.92 | Dry Lab | |
| Substructure | 225,585 | 3.00 | 1.18 | 2.09 | Wet Lab | |
| Horizontal Elements | 848,594 | 11.20 | 4.43 | 7.86 | | |
| Exterior Cladding | 712,656 | 9.40 | 3.72 | 6.60 | Office | 12.6 |
| Int. Vert. Elements | 326,105 | 4.30 | 1.70 | 3.02 | | |
| Multi-Storey Elements | 97,830 | 1.30 | .51 | .91 | Library | 12.2 |
| Interior Finishes | 477,992 | 6.30 | 2.50 | 4.43 | | |
| Building Equipment | 200,103 | 2.60 | 1.04 | 1.85 | Physical Education | 12.9 |
| Cash Allowance | 234,000 | 3.10 | 1.22 | 2.17 | | |
| Built-in Equipment | 37,800 | .50 | .20 | .35 | Special Use | |
| Architectural | | | | | Audio Visual | 1.3 |
| Building Cost | 3,583,827 | 47.20 | 18.71 | 33.18 | Clinic | 0.4 |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,631,880 | 21.50 | 8.52 | 15.11 | Assembly | 8.0 |
| | | | | | Exhibition | |
| Electrical | 485,215 | 6.40 | 2.53 | 4.49 | Food | 6.8 |
| Fed. Sales Tax Rebate | 228,037 | 3.00 | 1.19 | 2.11 | Recreation | 3.9 |
| Sub-Total 'A' | 5,695,644 | 75.00 | 29.74 | 52.74 | Supporting | |
| Dao Iotai 11 | 0,000,011 | 75.00 | 25,19 | 02.74 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 370,217 | 4.90 | 1.93 | 3.43 | Physical Plant | _ |
| Miscellaneous | 259,200 | 3.40 | 1.35 | 2.40 | rifysical Flam | 2.3 |
| miscenaneous | 200,200 | 0.40 | 1.50 | 2.40 | Central Utility | |
| Sub-Total 'B' | 629,417 | 8.30 | 3.29 | 5.83 | Central Culity | _ |
| Sub-Total B | 020,411 | 0.00 | 3.23 | 0.63 | Total NASF | 4000 |
| | | | | | Total NAST | 100.0 |
| Furniture | 451,500 | 5.90 | 2.36 | 4.18 | Non-Assignable | |
| Equipment | 820,000 | 10.80 | 4.28 | 7.59 | Custodial | |
| - Fare Extraores | | | 1.00 | 7.00 | Circulation | |
| Sub-Total 'C' | 1,271,500 | 16.70 | 6.64 | 11.77 | Mechanical | |
| | -,-,-,000 | 20,10 | 0.04 | 11.77 | Rest Room | |
| Total Project Cost | 7 EOC EC1 | 100.00 | 00.00 | | *************************************** | |
| Total Project Cost | 7,596,561 | 100.00 | 39.66 | 70.34 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: MCARTHUR COLLEGE ACADEMIC BLDG-1 1968

USE CATEGORY TYPE:

QU631

BUILDING TYPE: EDUCATION PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1SUBMISSION DATE: 03/69 22/SEP/71

NASF: GSF:

41,698 78,332 .53

NASF/GSF: TENDER/ESTIMATE DATE: 03/69

03/69

CONSTRUCTION TIME:

T CONDITION:

04/69 - 06/70

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|--------------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | | - | Classroom | 4.4 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 19,240 | .60 | .25, | .46 | | |
| Site Development | 19,240 | .60 | .25 | 40 | Special Purpose | |
| 2000 Dollar Doll | 19,240 | .00 | .20 | .46 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | 18.0 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 3.3 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 20.8 |
| Interior Finishes | | | | | | |
| Building Equipment Cash Allowance | 42,000 | 1.00 | # 4 | _ | Physical Education | 20.9 |
| Built-in Equipment | 50,000 | 1.30 1.60 | .54 | 1.01 | | |
| Architectural | 1,516,117 | 47.40 | .64 19.36 | 1.20 36.36 | Special Use | 0.1 |
| Building Cost | 1,608,117 | 50.30 | 20.53 | 38.57 | Audio Visual Clinic | 2.1 — |
| | 1,000,111 | 30.30 | 20.00 | 36.01 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 587,378 | 18.40 | 7.50 | 14.09 | Assembly | 12.9 |
| | | | | | Exhibition | _ |
| Electrical | 265,049 | 8.30 | 3.38 | 6.36 | Food | 11.0 |
| Fed. Sales Tax Rebate | 73,816 | 2.30 | .94 | 1.77 | Recreation | 6.4 |
| Sub-Total 'A' | 2,405,968 | 75.20 | 30.72 | 57.70 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 161,185 | 5.00 | 2.06 | 3.87 | Physical Plant | 1.1 |
| Miscellaneous | 110,426 | 3.50 | 1.41 | 2.65 | | |
| Sub-Total 'B' | 271,611 | 8.50 | 3.47 | 6.51 | Central Utility | _ |
| Sub-Total B | 271,011 | 8.50 | 3.47 | 0.51 | Total NASF | 100.0 |
| F | 194964 | E 90 | 0.00 | 4.40 | | |
| Furniture Equipment | 184,864 335,261 | 5.80 | 2.36 4.28 | 4.43 | Non-Assignable | |
| Equipment | 000,201 | 10.50 | 4.28 | 8.04 | Custodial | |
| Sub-Total 'C' | 520,125 | 16.30 | 6.64 | 19.47 | Circulation | |
| 200 10001 | 020,120 | 10.30 | 0.04 | 12.47 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 3,197,704 | 100.00 | 40.82 | 76.69 | Unassignable | |

MCARTHUR COLLEGE ACADEMIC BLDG-2 1968

PROJECT NUMBER: BUILDING TYPE:

PROJECT NAME:

PROJECT TYPE:

QU632 EDUCATION USE CATEGORY TYPE: CLASSROOM

NEW BUILDING

UACP CODE: 7 - 1SUBMISSION DATE:

12/69

100 220 300

22/SEP/71

NASF:

GSF: NASF/GSF:

.60 12/69

66,299

111,252

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

01/70 - 05/71SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 39.7 |
| Site Develop. (Incl.) | 240,000 | 4.90 | 2.16 | 3.62 | | |
| Alter'ns & Renova'ns | | T., | | | Special Purpose | |
| Site Development | 240,000 | 4.90 | 2.16 | 3.62 | -Research | 27.8 |
| * - 1' 1 0 O 11 T) | | | | | Laboratory | 21.8 |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | 27.3 |
| Int. Vert. Elements | | | | | Office , | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 138,000 | 2.80 | 1.24 | 2.08 | Physical Education | - |
| Cash Allowance | 138,625 | 2.80 | 1.25 | 2.09 | | |
| Built-in Equipment | 7,000 | .10 | .06 | .11 | Special Use | |
| Architectural | 1,913,114 | 39.30 | 17.20 | 28.86 | Audio Visual | Τ. |
| Building Cost | 2,196,739 | 45.10 | 19.75 | 33.13 | Clinic | 1.0 |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | 0. 11 | |
| Heat. Vent. & Cond. | 902,200 | 18.50 | 8.11 | 13.61 | General Use | |
| Mechanical | 902,200 | 18.30 | 0.11 | 10.01 | Assembly Exhibition | |
| Electrical | 497,500 | 10.20 | 4.47 | 7.50 | Food | |
| Fed, Sales Tax Rebate | 115,093 | 2.40 | 1.03 | 1.74 | Recreation | |
| red. Sales Tax Itebate | 110,000 | | 2100 | | 16001Cavion | |
| Sub-Total 'A' | 3,721,346 | 76.40 | 33.45 | 56.13 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 241,887 | 5.00 | 2.17 | 3.65 | Physical Plant | 4.2 |
| Miscellaneous | 156,640 | 3.20 | 1.41 | 2.36 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 398,527 | 8.20 | 3.58 | 6.01 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 266,636 | 5.50 | 2.40 | 4.02 | Non-Assignable | |
| Equipment | 484,739 | 10.00 | 4.36 | 7.31 | Custodial | |
| Equipment | 404,100 | 10.00 | 4.00 | 1102 | Circulation | |
| Sub-Total 'C' | 751,375 | 15.40 | 6.75 | 11.33 | Mechanical | |
| | | 20.20 | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 4,871,248 | 100.00 | 43.79 | 73.47 | -Unassignable | |

Engineering Buildings

ENGINEERING 1-1965 C.J. MACKENZIE BLDG.

PROJECT NAME: CA002 PROJECT NUMBER:

ENGINEERING BUILDING TYPE:

NEW BUILDING PROJECT TYPE: 7 - 2

UACP CODE: 11/67 SUBMISSION DATE:

USE CATEGORY TYPE:

LABORATORY

220

22/SEP/71

52,425 NASF: 80,159 GSF: .65 NASF/GSF:

12/62 TENDER/ESTIMATE DATE:

01/63 - 10/64CONSTRUCTION TIME:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | 17,653 | .80 | .22 | .34 | 2 | |
| Alter'ns & Renova'ns ite Development | 17,653 | .80 | | .34 | Special Purpose Research | |
| ite Development | T1,000 | .00 | . 4 4 | .34 | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | T 13 | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | _ | | | _ | Physical Education | |
| Cash Allowance | _ | | _ | _ | | |
| Built-in Equipment | 50,000 | 2.30 | .62 | .95 | Special Use | |
| Architectural | 963,266 | 44.70 | 12.02 | 18.37 | Audio Visual | |
| suilding Cost | 1,013,266 | 47.00 | 12.64 | 19.33 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | 449,379 | 20.90 | 5.61 | 8.57 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 275,092 | 12.80 | 3.43 | 5.25 | Food | |
| Fed. Sales Tax Rebate | 43,035 | 2.00 | .54 | .82 | Recreation | |
| ub-Total 'A' | 1,712,355 | 79.50 | 21.36 | 32.66 | Supporting | |
| | | | | | Data Processing | |
| Fees | 108,411 | 5.00 | 1.35 | 2,07 | Shops Physical Plant | |
| Miscellaneous | 28,528 | 1.30 | .36 | .54 | r nysicai r iant | |
| | | | | | Central Utility | |
| ub-Total 'B' | 136,939 | 6.40 | 1.71 | 2.61 | | |
| | | | | | Total NASF | |
| Furniture | 95,201 | 4.40 | 1.19 | 1.82 | Non-Assignable | |
| Equipment | 210,023 | 9.70 | 2.62 | 4.01 | Custodial | |
| ub-Total 'C' | 305,224 | 14.00 | 0.04 | F 00 | Circulation | |
| uo-Total C | 305,224 | 14.20 | 3.81 | 5.82 | Mechanical Rest Room | |
| Cotal Project Cost | 2,154,518 | 100.00 | 26.88 | 41.10 | Unassignable | |

ENGINEERING 2-1965 C.J. MACKENZIE BLDG.

PROJECT NUMBER: CA009

PROJECT NAME:

BUILDING TYPE:

PROJECT TYPE:

ENGINEERING

NEW BUILDING

7 - 2

UACP CODE:

SUBMISSION DATE: 11/67 22/SEP/71

NASF:

GSF:

34,373 57,259

NASF/GSF:

.60

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

05/65 06/65 - 10/66

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|-------------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop, (Excl.) | 13,280 | .60 | .23 | .39 | Classroom | 16.3 |
| Site Develop. (Incl.) | 1,430 | .10 | .02 | .04 | | |
| Alter'ns & Renova'ns | | | - | | Special Purpose | |
| ite Development | 14,710 | .70 | .26 | .43 | Research | 3.2 |
| 7 11 4 0 G 11 T | | | | | Laboratory | 60.9 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 15.2 |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | 227 | |
| Building Equipment | _ | | - | | Physical Education | _ |
| Cash Allowance | _ | | _ | _ | | |
| Built-in Equipment | 13,550 | .60 | .24 | .39 | Special Use | |
| Architectural | 1,186,195 | 54.00 | 20.72 | 34.51 | Audio Visual | - |
| uilding Cost | 1,199,745 | 54.70 | 20.95 | 34.90 | Clinic | _ |
| | | | | | Demonstration | August 1 |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | 0.40 | 40.80 | General Use | |
| [echanical | 463,982 | 21.10 | 8.10 | 13.50 | Assembly | |
| | 100 208 | 8.70 | 2.20 | 5.54 | Exhibition | _ |
| Electrical | 190,308 73,619 | 3.40 | 3.32 1.29 | 2.14 | Food Recreation | 4.4 |
| Fed. Sales Tax Rebate | 19,019 | 3.40 | 1.25 | 2.14 | Recreation | *E - *E |
| ub-Total 'A' | 1,795,126 | 81.80 | 31.35 | 52.22 | Supporting | |
| ub-10tal A | | 02.00 | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 112,568 | 5.10 | 1.97 | 3.27 | Physical Plant | _ |
| Miscellaneous | 29,151 | 1.30 | .51 | .85 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 141,719 | 6.50 | 2.48 | 4.12 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 77.803 | 3,50 | 1.36 | 2.26 | Non-Assignable | |
| Equipment | 180,559 | 8.20 | 3.15 | 5.25 | Custodial | |
| 24 arbitrons | 200,000 | 0.20 | 0.20 | 0.20 | Circulation | |
| Sub-Total 'C' | 258,362 | 11.80 | 4.51 | 7.52 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,195,207 | 100.00 | 38.34 | 63.86 | Unassignable | |

USE CATEGORY TYPE:

LABORATORY

220

22/SEP/71

NASF:

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

ENGINEERING 3-1967 C.J. MACKENZIE BLDG

CA029 ENGINEERING

11/68

USE CATEGORY TYPE:

LABORATORY

GSF: NASF/GSF: 27,017 47,682 .57

PROJECT TYPE: UACP CODE:

NEW BUILDING 7 - 1

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

10/67 - 10/68

220

MARKET CONDITION: SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) | | **** | _ | | Classroom | 13.6 |
| Site Develop. (Incl.) | 14,300 | 1.00 | .30 | .53 | | |
| Alter'ns & Renova'ns | _ | | | _ | Special Purpose | |
| ite Development | 14,300 | 1.00 | .30 | .53 | Research | 2.0 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | 61.4 |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 13.0 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 4.9 |
| Building Equipment | _ | Prompty | _ | - | Physical Education | 5.1 |
| Cash Allowance | 72,500 | 4.90 | 1.52 | 2.68 | | |
| Built-in Equipment | 38,400 | 2.60 | .81 | 1.42 | Special Use | |
| Architectural | 691,698 | 47.00 | 14.51 | 25.60 | Audio Visual | _ |
| Building Cost | 802,598 | 54.50 | 16.83 | 29.71 | Clinic | |
| Plumbing & Drains | , | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 203,264 | 13.80 | 4.26 | 7.52 | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | 108,838 | 7.40 | 2.28 | 4.03 | Food | |
| Fed. Sales Tax Rebate | 45,160 | 3.10 | .95 | 1.67 | Recreation | - |
| Sub-Total 'A' | 1,083,840 | 73.60 | 22.73 | 40.12 | Supporting | |
| | | | | | Data Processing | |
| | 05.540 | 4.00 | 1 10 | 0.74 | Shops | _ |
| Fees | 67,740 | 4.60 | 1.42 | 2.51 | Physical Plant | |
| Miscellaneous | 33,870 | 2.30 | .71 | 1.25 | | |
| | 404.04 | | | | Central Utility | woon |
| Sub-Total 'B' | 101,610 | 6.90 | 2.13 | 3.76 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 40,000 | 2.70 | .84 | 1.48 | Non-Assignable | |
| Equipment | 247,645 | 16.80 | 5.19 | 9.17 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 287,645 | 19.50 | 6.03 | 10.65 | Mechanical Rest Room | |
| Total Project Cost | 1,473,095 | 100.00 | 30.89 | 54.52 | Unassignable | |

22/SEP/71

NASF:

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

SCHOOL OF ARCHITECTURE 1969

CA058 ENGINEERING **NEW BUILDING** USE CATEGORY TYPE:

LABORATORY

GSF: NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

MARKET CONDITION:

39,830 68,057 .59

05/71

06/71 - 07/72NORMAL

UACP CODE: 7 - 1SUBMISSION DATE:

05/71

220 610 720

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 21.7 |
| Site Develop. (Incl.) | 68,955 | 2.90 | 1.01 | 1.73 | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | 68,955 | 2.90 | 1.01 | 1.73 | Research | - |
| Indiana & Court D | | | | | Laboratory | 51.9 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 16.0 |
| Int. Vert. Elements | | | | | 011100 | 2010 |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | _ | _ | - | _ | Physical Education | _ |
| Cash Allowance | 80,000 | 3.30 | 1.18 | 2.01 | | |
| Built-in Equipment | _ | _ | - | _ | Special Use | |
| Architectural | 1,127,387 | 46.90 | 16.57 | 28.30 | Audio Visual | 6.6 |
| Building Cost | 1,207,387 | 50.20 | 17.74 | 30.31 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 400 000 | 80.80 | 6.15 | 10.05 | General Use | _ |
| Mechanical | 487,758 | 20.30 | 7.17 | 12.25 | Assembly Exhibition | 3.7 |
| 5 3 | 198,900 | 8.30 | 2.92 | 4.99 | Food | - - |
| Electrical | 56,821 | 2.40 | .83 | 1.43 | Recreation | _ |
| Fed. Sales Tax Rebate | 30,821 | 2.30 | .00 | 2.70 | Recreation | |
| Sub-Total 'A' | 1,906,179 | 79.30 | 28.01 | 47.86 | Supporting | |
| Sub-10tal A | 1,500,115 | 10.00 | 20.01 | 11.00 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 133.433 | 5.50 | 1.96 | 3.35 | Physical Plant | _ |
| Miscellaneous | 57,185 | 2.40 | .84 | 1.44 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 190,618 | 7.90 | 2.80 | 4.79 | | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 90,118 | 3.70 | 1.32 | 2.26 | Non-Assignable | |
| Equipment | 217,372 | 9.00 | 3.19 | 5.46 | Custodial | |
| | 007 405 | 10.00 | 4 # 0 | | Circulation | |
| Sub-Total 'C' | 307,490 | 12.80 | 4.52 | 7.72 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,404,287 | 100.00 | 35.33 | 60.36 | Unassignable | |
| Total Project Cost | 2,404,201 | 100.00 | 30.33 | 00.00 | O 110001B110010 | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER:

SUBMISSION DATE:

PROJECT TYPE:

UACP CODE:

ENGINEERING BLDG 1966 OT014

ENGINEERING BUILDING TYPE: NEW BUILDING 7 - 2

06/69

USE CATEGORY TYPE: LABORATORY

220 210

149,400 NASF: 258,876 GSF: .58 NASF/GSF: 02/69 TENDER/ESTIMATE DATE:

04/69 - 09/70CONSTRUCTION TIME: SLACK MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | 101,000 | 1.20 | .39 | .68 | Classroom | 8.4 |
| Site Develop. (Incl.) | 135,934 | 1.70 | .53 | .91 | | |
| Alter'ns & Renova'ns | | π | _ | _ | Special Purpose | 24.6 |
| te Development | 236,934 | 2.90 | .92 | 1.59 | Research | 52.9 |
| | | | | | Laboratory | 52.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.50 | 10.5 |
| Exterior Cladding | | | | | Office | 10.0 |
| Int. Vert. Elements | | | | | Y 31 | 3.0 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 0.0 |
| Building Equipment | _ | _ | _ | _ | Physical Education | _ |
| Cash Allowance | 423,833 | 5.20 | 1.64 | 2.84 | FifySical Education | |
| Built-in Equipment | 407,906 | 5.00 | 1.58 | 2.73 | Special Use | |
| Architectural | 3,458,023 | 42.30 | 13.36 | 23.15 | Audio Visual | _ |
| uilding Cost | 4,289,762 | 52.50 | 16.57 | 28.71 | Clinic | _ |
| unumg Cost | -,, | | | | Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 1,489,652 | 18.20 | 5.75 | 9.97 | Assembly | _ |
| Caldalacul | | | | | Exhibition | _ |
| Electrical | 747,000 | 9.10 | 2.89 | 5.00 | Food | _ |
| Fed. Sales Tax Rebate | 234,563 | 2.90 | .91 | 1.57 | Recreation | 0.6 |
| | | | | | | |
| ub-Total 'A' | 6,528,785 | 79.90 | 25.22 | 43.70 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 475,838 | 5.80 | 1.84 | 3.18 | Physical Plant | _ |
| Miscellaneous | 164,046 | 2.00 | .63 | 1.10 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 639,884 | 7.80 | 2.47 | 4.28 | | 1000 |
| | | | | | Total NASF | 100.0 |
| Furniture | 1,000,000 | 12.20 | 3.86 | 6.69 | Non-Assignable | |
| Equipment | - | - | | **** | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 1,000,000 | 12.20 | 3.86 | 6.69 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 8,168,669 | 100.00 | 31.55 | 54.68 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

CHEMICAL ENGINEERING 1965

QU004

10/67

ENGINEERING NEW BUILDING 7 — 2 USE CATEGORY TYPE:

LABORATORY

220 810

NASF: GSF: 45,650 77,158 .59

NASF/GSF: TENDER/ESTIMATE DATE:

02/65

05/65 - 01/67

CONSTRUCTION TIME: MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | 95,828 | 4.00 | 1.24 | 2.10 | Classroom | 15.4 |
| Site Develop. (Incl.) | enem | _ | _ | | | |
| Alter'ns & Renova'ns | _ | _ | attenne . | _ | Special Purpose | |
| ite Development | 95,828 | 4.00 | 1.24 | 2.10 | Research | - |
| | | | | | Laboratory | 53.7 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 4.4.0 |
| Exterior Cladding | | | | | Office | 14.2 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 7.7 |
| Interior Finishes | 88.000 | 4.00 | 40 | 0.0 | | |
| Building Equipment | 38,000 | 1.60 | .49 | .83 | Physical Education | |
| Cash Allowance | 228,431 | 9.50 | 2.96 | 5.00 | | |
| Built-in Equipment | | | | 10.00 | Special Use | |
| Architectural | 871,216 | 36.40 | 11.29 | 19.08 24.92 | Audio Visual | |
| uilding Cost | 1,137,647 | 47.50 | 14.74 | 24.92 | Clinic | |
| Th. 11 0 Th. 1 | | | | | Demonstration | |
| Plumbing & Drains | | | | | 0. 177 | |
| Heat. Vent. & Cond. | F10 4F0 | 21.60 | 6.72 | 11.36 | General Use | _ |
| Iechanical | 518,478 | 21.60 | 6.72 | 11.30 | Assembly | |
| T71 () 1 | 230,000 | 9.60 | 2.98 | 5.04 | Exhibition Food | |
| Electrical | 85,973 | 3.60 | 1.11 | 1.88 | Recreation | 1.4 |
| Fed. Sales Tax Rebate | 80,973 | 3.60 | 1.11 | 1.00 | Recreation | 1.4 |
| ub-Total 'A' | 1,895,980 | 79.10 | 24.57 | 41.53 | Supporting | |
| ub-Total 'A' | 1,630,360 | 79.10 | 24.01 | 41.00 | Data Processing | 7.6 |
| | | | | | Shops | _ |
| Fees | 129,817 | 5.40 | 1.68 | 2.84 | Physical Plant | _ |
| Miscellaneous | 3,419 | .10 | .04 | .07 | I II y Sicai I Iair | |
| Miscenaneous | 0,410 | .10 | ,02 | | Central Utility | _ |
| ub-Total 'B' | 133,236 | 5.60 | 1.73 | 2.92 | Central Control | |
| ub-10tal B | 100,200 | 0.00 | 2.10 | | Total NASF | 100.0 |
| | | | | | L COME ITEMA | |
| Furniture | 139,603 | 5.80 | 1.81 | 3.06 | Non-Assignable | |
| Equipment | 227,143 | 9.50 | 2.94 | 4.98 | Custodial | |
| Tarkerses | | | | | Circulation | |
| ub-Total 'C' | 366,746 | 15.30 | 4.75 | 8.03 | Mechanical | |
| | 000,120 | 20.00 | 2110 | | Rest Room | |
| | | | | | | |
| otal Project Cost | 2,395,962 | 100.00 | 31.05 | 52.49 | Unassignable | |
| | -,, | | | | | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: CIVIL ENGINEERING RESEARCH BUILDING

QU045 ENGINEERING **USE CATEGORY TYPE:**

NASF: GSF: NASF/GSF: 18,498 20,160 .92

BUILDING TYPE: PROJECT TYPE:

NEW BUILDING

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/67 05/67 - 10/67

UACP CODE: SUBMISSION DATE:

01/70

MARKET CONDITION:

ACTUAL % OF TOTAL ACTUAL ACTUAL % OF TOTAL \$/NASF USE CATEGORY NASF AREA COST COST \$/GSF COST ELEMENT Site Develop. (Excl.) Classroom Site Develop, (Incl.) Alter'ns & Renova'ns Special Purpose Research Site Development 97.0 Laboratory Dry Lab Indirect & Gen'l Exp Substructure Wet Lab Horizontal Elements 3.0 Exterior Cladding Office Int, Vert. Elements Multi-Storey Elements Library Interior Finishes Physical Education Building Equipment Cash Allowance Special Use Built-in Equipment Audio Visual Architectural Clinic **Building Cost** Demonstration Plumbing & Drains General Use Heat. Vent. & Cond. Assembly Mechanical Exhibition Food Electrical Recreation Fed. Sales Tax Rebate 148,668 90.80 7.37 8.04 Supporting Sub-Total 'A' **Data Processing** Shops 5.80 .47 .52 Physical Plant 9,538 Fees 3,998 2.40 .20 .22 Miscellaneous Central Utility 13,536 8.30 .67 .73 Sub-Total 'B' 100.0 Total NASF 1,564 1.00 .08 .08 Non-Assignable Furniture Custodial Equipment Circulation 1,564 1.00 .08 .08 Mechanical Sub-Total 'C' Rest Room 100.00 8.12 8.85 163,768 Unassignable **Total Project Cost**

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

MINING ENGINEERING BUILDING

QU061 ENGINEERING NEW BUILDING

3

01/71

USE CATEGORY TYPE:

LABORATORY

220

....

NASF: GSF: 29,410 69,473 .42

NASF/GSF: TENDER/ESTIMATE DATE:

09/70

10/70 - 11/71

CONSTRUCTION TIME: MARKET CONDITION:

| 300 -300 450 300 300 300 900 600 000 000 500 500 | .70 .70 2.00 3.30 17.70 8.60 7.00 2.50 4.40 .10 1.50 — | | | Classroom Special Purpose Research Laboratory Dry Lab Wet Lab Office Library Physical Education Special Use Audio Visual Clinic Demonstration | 6.3 7.4 53.1 16.2 17.0 — — — |
|---|--|---|---|---|---|
| 300 450 300 300 900 600 000 000 500 500 | .70 2.00 3.30 17.70 8.60 7.00 2.50 4.40 .10 1.50 | .18 .55 .88 4.80 2.33 1.89 .69 1.18 | .42 1.31 2.08 11.33 5.50 4.47 1.63 2.79 .05 | Research Laboratory Dry Lab Wet Lab Office Library Physical Education Special Use Audio Visual Clinic | 53.1 16.2 17.0 — |
| 300 450 300 300 900 600 000 000 500 500 500 | .70 2.00 3.30 17.70 8.60 7.00 2.50 4.40 .10 1.50 | .18 .55 .88 4.80 2.33 1.89 .69 1.18 .02 | .42 1.31 2.08 11.33 5.50 4.47 1.63 2.79 .05 .97 | Research Laboratory Dry Lab Wet Lab Office Library Physical Education Special Use Audio Visual Clinic | 53.1 16.2 17.0 — |
| 450 300 300 900 600 000 000 500 500 5500 | 2.00 3.30 17.70 8.60 7.00 2.50 4.40 .10 1.50 | .55 .88 4.80 2.33 1.89 .69 1.18 .02 | 1.31 2.08 11.33 5.50 4.47 1.63 2.79 .05 .97 | Laboratory Dry Lab Wet Lab Office Library Physical Education Special Use Audio Visual Clinic | 53.1 16.2 17.0 — |
| 300 300 900 600 000 000 500 500 | 3.30 17.70 8.60 7.00 2.50 4.40 .10 | .88 4.80 2.33 1.89 .69 1.18 .02 | 2.08 11.33 5.50 4.47 1.63 2.79 .05 .97 | Dry Lab Wet Lab Office Library Physical Education Special Use Audio Visual Clinic | 16.2 17.0 — — |
| 300 300 900 600 000 000 500 500 | 3.30 17.70 8.60 7.00 2.50 4.40 .10 | .88 4.80 2.33 1.89 .69 1.18 .02 | 2.08 11.33 5.50 4.47 1.63 2.79 .05 .97 | Wet Lab Office Library Physical Education Special Use Audio Visual Clinic | 17.0 — — — |
| 300 900 600 000 000 500 500 | 17.70 8.60 7.00 2.50 4.40 .10 | 4.80 2.33 1.89 .69 1.18 .02 .41 | 11.33 5.50 4.47 1.63 2.79 .05 .97 | Office Library Physical Education Special Use Audio Visual Clinic | 17.0 — — — |
| 900 600 000 000 500 500 | 8.60 7.00 2.50 4.40 .10 1.50 | 2.33 1.89 .69 1.18 .02 .41 | 5.50 4.47 1.63 2.79 .05 .97 | Office Library Physical Education Special Use Audio Visual Clinic | 17.0 — — — |
| 600 000 000 500 500 | 7.00 2.50 4.40 .10 1.50 | 1.89 .69 1.18 .02 .41 | 4.47 1.63 2.79 .05 .97 | Library Physical Education Special Use Audio Visual Clinic | 17.0 — — — |
| 000 000 500 500 - | 2.50 4.40 .10 1.50 | .69 1.18 .02 .41 | 1.63 2.79 .05 .97 | Physical Education Special Use Audio Visual Clinic | 17.0 — — — |
| 000 500 500 - 550 | 4.40 .10 1.50 | 1.18 .02 .41 | 2.79 .05 .97 — | Physical Education Special Use Audio Visual Clinic | - = |
| 500 500 - 550 | .10 1.50 — | .02 .41 — | 2.79 .05 .97 — | Physical Education Special Use Audio Visual Clinic | - = |
| 500 - 550 | 1.50 — | | .97 | Special Use Audio Visual Clinic | Ξ |
| 550 | eyen. | _ | .97 | Special Use Audio Visual Clinic | Ξ |
| | | _ | _ | Audio Visual Clinic | = |
| | 47.10 | 12.76 | 30.14 | Audio Visual Clinic | = |
| | 47.10 | 12.76 | 30.14 | Clinic | _ |
| | | 22.10 | 00.11 | | and the second |
| | | | | Demonstration | |
| | | | | | |
| | | | | General Use | |
| 150 | 15.70 | 4.25 | 10.04 | Assembly | _ |
| | 100 | 1.20 | 10.04 | | |
| 000 | 8.50 | 2.32 | 5.47 | Exhibition | _ |
| 000 | 8.50 | 4.04 | 0.41 | Food | enteri |
| | | | | Recreation | |
| 000 | 71.90 | 19.50 | 46.07 | ~ | |
| 000 | 11.30 | 19.50 | 40.07 | Supporting | |
| | | | | Data Processing | _ |
| 300 | 4.30 | 1.17 | 2.76 | Shops | _ |
| 650 | 2.20 | | | Physical Plant | - |
| 030 | 2.20 | .59 | 1.38 | | |
| 050 | 6 50 | 1 70 | 4 1 5 | Central Utility | - |
| 300 | 6.50 | 1.76 | 4.15 | | |
| | | | | Total NASF | 100.0 |
| 400 | 0.00 | 70 | 1 05 | | |
| | | | | Non-Assignable | |
| 503 | 19.00 | 5.17 | 12.20 | Custodial | |
| | | | | Circulation | |
| 253 | 21.60 | 5.86 | 13.85 | Mechanical | |
| | | | | Rest Room | |
| | 100.00 | 27.12 | 64.07 | Unassionable | |
| 9 | ,950 ,400 ,853 ,253 | ,400 2.60 ,853 19.00 ,253 21.60 | ,400 2.60 .70 ,853 19.00 5.17 ,253 21.60 5.86 | ,400 2.60 .70 1.65 ,853 19.00 5.17 12.20 ,253 21.60 5.86 13.85 | Total NASF ,400 2.60 .70 1.65 Non-Assignable ,853 19.00 5.17 12.20 Custodial |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

METALLURGY BUILDING

TO019

11/68

ENGINEERING NEW BUILDING 7 - 2

USE CATEGORY TYPE: LABORATORY

220

NASF: GSF:

16,601 25,077 .66

NASF/GSF: TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

12/64 02/65 - 06/66

NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 13,077 7,524 | 1.40 | .52 .30 | .79 .45 | Classroom | |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 7,024 | .80 | .30 | .40 | Control December | |
| te Development | 20,601 | 2,30 | .82 | 1.24 | Special Purpose Research | |
| o Beveropinelly | | 2.00 | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | | _ | _ | | Discorded Education | |
| Cash Allowance | 9,372 | 1.00 | .37 | .56 | Physical Education | |
| Built-in Equipment | _ | _ | _ | _ | Special Use | |
| Architectural | 405,063 | 44.40 | 16.15 | 24.40 | Audio Visual | |
| uilding Cost | 414,435 | 45.50 | 16.53 | 24.96 | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 077 440 | 00.40 | 11.00 | 10 71 | General Use | |
| lechanical | 277,448 | 30.40 | 11.06 | 16.71 | Assembly | |
| Electrical | 81,207 | 8.90 | 3.24 | 4.89 | Exhibition | |
| Fed. Sales Tax Rebate | 32,971 | 3.60 | 1.31 | 1.99 | Food Recreation | |
| red, Sales Tax Redate | 0=,012 | 0.00 | 1.01 | 1.00 | Recreation | |
| ub-Total 'A' | 760,720 | 83.50 | 30.34 | 45.82 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 51,377 | 5.60 | 2.05 | 3.09 | Physical Plant | |
| Miscellaneous | 29,842 | 3.30 | 1.19 | 1.80 | | |
| | 01.010 | 8.90 | 3.24 | 4.00 | Central Utility | |
| ub-Total 'B' | 81,219 | 8.90 | 3.24 | 4.89 | | |
| | | | | | Total NASF | |
| Furniture | 69,409 | 7.60 | 2.77 | 4.18 | Non-Assignable | |
| Equipment | | _ | AND 0 0 | - | Non-Assignable Custodial | |
| - destates | | | | | Circulation | |
| ub-Total 'C' | 69,409 | 7.60 | 2.77 | 4.18 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 911,348 | 100.00 | 36.34 | 54.90 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

RESEARCH AND LABORATORY BLOCK - 68

ER008

04/70

USE CATEGORY TYPE:

ENGINEERING NEW BUILDING LABORATORY

PROJECT TYPE: 7 - 1UACP CODE:

220 210

NASF: GSF: NASF/GSF: 125,872 263,244

.48

09/68 10/68 - 02/70

| CONSTRUCTION TIME: | 10/68 |
|--------------------|-------|
| MARKET CONDITION: | BUSY |

TENDER/ESTIMATE DATE:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-----------------------------------|--------------------|------------------|--------------------|---|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 35,000 120,000 | .30 1.10 | .13 .46 | .28 .95 | Classroom | 1.6 |
| Alter'ns & Renova'ns ite Development | 155,000 | 1.40 | .59 | _ 1.23 | Special Purpose Research Laboratory | 39.7 44.9 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 8.2 |
| Multi-Storey Elements Interior Finishes | 000 044 | | | | Library | |
| Building Equipment Cash Allowance | 929,211 176,000 | 8.70 1.60 | 3.53 .67 | 7.38 1.40 | Physical Education | _ |
| Built-in Equipment Architectural | 567,789 4,416,600 6,089,600 | 5.30 41.10 | 2.16 16.78 | 4.51 35.09 | Special Use Audio Visual | 0.7 |
| uilding Cost Plumbing & Drains | 0,00,800,0 | 56.70 | 23.13 | 48.38 | Clinic Demonstration | |
| Heat. Vent. & Cond. | 1 754 000 | 16.00 | 0.00 | 10.00 | General Use | |
| ecnanicai Electrical | 1,754,000 546,400 | 16.30 | 6.66 | 13.93 | Assembly Exhibition | |
| Fed. Sales Tax Rebate | 281,000 | 5.10 2.60 | 2.08 1.07 | 4.34 2.23 | Food Recreation | _ |
| ub-Total 'A' | 8,264,000 | 77.00 | 31.39 | 65.65 | Supporting Data Processing | 1.8 |
| | | | | | Shops | |
| Fees Miscellaneous | 540,520 121,500 | 5.00 1.10 | 2.05 .46 | 4.29 .97 | Physical Plant | 3.0 |
| ub-Total 'B' | 662,020 | 6.20 | 2.51 | 5.26 | Central Utility | _ |
| | | | | | Total NASF | 100.0 |
| Furniture | 320,100 | 3.00 | 1.22 | 2.54 | Non-Assignable | |
| Equipment | 1,490,502 | 13.90 | 5.66 | 11.84 | Custodial Circulation | |
| ub-Total 'C' | 1,810,602 | 16.90 | 6.88 | 14.38 | Mechanical Rest Room | |
| otal Project Cost | 10,736,622 | 100.00 | 40.79 | 85.30 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

ENGINEERING IV PHASE 1 1971

WA035

USE CATEGORY TYPE:

220

ENGINEERING LABORATORY

NEW BUILDING

7 - 1

UACP CODE: SUBMISSION DATE: 06/70 NASF: GSF:

100,908 170,907

NASF/GSF: TENDER/ESTIMATE DATE: .59

CONSTRUCTION TIME:

03/70 04/70 - 12/71

MARKET CONDITION: SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------------------|----------------|--------------------|------------------|-------------------|----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | <u> </u> | Classroom | 1.1 |
| Site Develop. (Incl.) | 101,971 | 1.50 | .60 | 1.01 | | *** |
| Alter'ns & Renova'ns | _ | - | | _ | Special Purpose | |
| Site Development | 101,971 | 1.50 | .60 | 1.01 | Research | |
| | | | | | Laboratory | 87.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.00 | |
| Int. Vert. Elements | | | | | Office | 8.0 |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 19,804 | .30 | .12 | .20 | Physical Education | _ |
| Cash Allowance | 121,300 | 1.70 | .71 | 1.20 | a my sieux Deutenion | |
| Built-in Equipment | 253,133 | 3.60 | 1.48 | 2.51 | Special Use | |
| Architectural | 3,229,449 | 46.20 | 18.90 | 32.00 | Audio Visual | _ |
| Building Cost | 3,623,686 | 51.80 | 21.20 | 35.91 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,232,840 | 17.60 | 7.21 | 12.22 | Assembly | - |
| Tile 4 5 A | 71F 001 | 10.00 | | | Exhibition | - |
| Electrical | 715,081 | 10.20 | 4.18 | 7.09 | Food | _ |
| Fed. Sales Tax Rebate | 170,207 | 2.40 | 1.00 | 1.69 | Recreation | 2.3 |
| Sub-Total 'A' | 5,503,371 | 78.70 | 32.20 | 54.54 | Commonting | |
| 340 10 tal 71 | 0,000,011 | 10.10 | 02.20 | 94.94 | Supporting Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 465,501 | 6.70 | 2.72 | 4.61 | Physical Plant | 1.2 |
| Miscellaneous | 165,101 | 2.40 | .97 | 1.64 | 1 my sicul 1 mile | 1.2 |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 630,602 | 9.00 | 3.69 | 6.25 | | |
| | | | | | Total NASF | 100.0 |
| 200 | | | | | | |
| Furniture | 260,000 | 3.70 | 1.52 | 2.58 | Non-Assignable | |
| Equipment | 600,000 | 8.60 | 3.51 | 5.95 | Custodial | |
| Sub-Total 'C' | 000.05 | | • | | Circulation | |
| Sub-10tal C | 860,000 | 12.30 | 5.03 | 8.52 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 6,993,973 | 100.00 | 40.92 | 69.31 | Unassignable | |
| | | | | 00.00 | OSSIBIIONO | |

Engineering Buildings Additions

PROJECT NAME:

FLEMING HALL - ADDITION

PROJECT NUMBER: QU083

SUBMISSION DATE: 02/70

BUILDING TYPE:

ENGINEERING

PROJECT TYPE: UACP CODE:

ADDITION 7-2

USE CATEGORY TYPE:

NASF:

5,336

GSF:

8,760 .61

NASF/GSF: TENDER/ESTIMATE DATE: 04/64

CONSTRUCTION TIME:

04/64 - 09/64

NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | 4,690 | 1.90 | .54 | .88 | Classroom | _ |
| Site Develop, (Incl.) Alter'ns & Renova'ns | _ | _ | | _ | | |
| Site Development | 4,690 | 1.90 | .54 | .88 | Special Purpose | |
| one Development | 4,090 | 1.50 | .04 | .00 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes Building Equipment | | | | | | |
| Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| Building Cost | 198,220 | 81.20 | 22.63 | 37.15 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| Electrical | | | | | Exhibition Food | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| | | | | | Recleation | |
| Sub-Total 'A' | 202,910 | 83.10 | 23.16 | 38.03 | Supporting | |
| | | | | | Data Processing | _ |
| _ | 44.000 | 4.00 | 4.00 | | Shops | _ |
| Fees | 11,893 | 4.90 | 1.36 | 2.23 | Physical Plant | _ |
| Miscellaneous | | | _ | _ | | |
| Sub-Total 'B' | 11,893 | 4.90 | 1.36 | 2.23 | Central Utility | _ |
| July 10 vill B | 11,000 | 4.50 | 1.00 | 4.40 | Total NASF | 0.0% |
| | | | | | I Otal WASI | 0.0% |
| Furniture | 23,287 | 9.50 | 2.66 | 4.36 | Non-Assignable | |
| Equipment | 6,033 | 2.50 | .69 | 1.13 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 29,320 | 12.00 | 3.35 | 5.49 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 244,123 | 100.00 | 27.87 | 45.75 | Unassignable | |
| Total Project Cost | 244,123 | 100.00 | 27.87 | 45.75 | Unassignable | |

PROJECT NAME: PROJECT NUMBER:

ENGINEERING III—STAGE 1 1965

WA007

BUILDING TYPE: PROJECT TYPE:

ENGINEERING

ADDITION UACP CODE: 7-1 SUBMISSION DATE: 10/70

USE CATEGORY TYPE:

NASF: GSF:

91,436 141,050

.65

NASF/GSF:

TENDER/ESTIMATE DATE: 02/65 CONSTRUCTION TIME:

MARKET CONDITION:

09/65 - 01/67

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|-----------------|------------------|-------------------|----------------------------|-------------------------|
| Site Develop. (Excl.) | - | _ | _ | _ | Classroom | 17.4 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 82,145 | 1.80 | .58 | .90 | | |
| lite Development | 30,279 | .70 | .21 | .33 | Special Purpose | |
| tte Bevelopment | 112,424 | 2.50 | .80 | 1.23 | Research | 6.5 |
| Indirect & Gen'l Exp | | | | | Laboratory | 50.1 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.55 | |
| Int. Vert. Elements | | | | | Office | 14.4 |
| Multi-Storey Elements | | | | | Library | F 0 |
| Interior Finishes | | | | | Library | 5.8 |
| Building Equipment | 11,678 | .30 | .08 | .13 | Physical Education | |
| Cash Allowance | 42,503 | .90 | .30 | .46 | 1 II y sical Education | _ |
| Built-in Equipment | 159,089 | 3.50 | 1.13 | 1.74 | Special Use | |
| Architectural | 1,924,650 | 42.40 | 13.65 | 21.05 | Audio Visual | 4.7 |
| uilding Cost | 2,137,920 | 47.10 | 15.16 | 23.38 | Clinic | |
| Discoulation a D | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanicai | 687,356 | 15.20 | 4.87 | 7.52 | Assembly | _ |
| Electrical | 524,900 | 11.00 | | | Exhibition | _ |
| Fed. Sales Tax Rebate | 138,504 | 11.60 | 3.72 | 5.74 | Food | _ |
| red. bales Tax Rebate | 136,004 | 3.10 | .98 | 1.51 | Recreation | |
| b-Total 'A' | 3,324,096 | 73.30 | 23.57 | 36.35 | Commonting | |
| | _,, | | 20.01 | 30.33 | Supporting Data Processing | 1.1 |
| | | | | | Shops | 7.1 |
| Fees | 207,756 | 4.60 | 1.47 | 2.27 | Physical Plant | |
| Miscellaneous | 103,878 | 2.30 | .74 | 1.14 | I II y Sical I Ialli | |
| | | | | | Central Utility | _ |
| ıb-Total 'B' | 311,634 | 6.90 | 2.21 | 3.41 | | |
| | | | | | Total NASF | 100.0% |
| Furniture | 300,000 | 6.60 | 2.13 | 3.28 | Non-Assignable | |
| Equipment | 600,000 | 13.20 | 4.25 | 6.56 | Custodial | |
| | 212,230 | 10.00 | 7.20 | 0.50 | Custodial | |
| ıb-Total 'C' | 900,000 | 19.80 | 6.38 | 9.84 | Mechanical | |
| | 200,000 | 10.00 | 0.30 | 9.84 | Rest Room | |
| otal Project Cost | 4,535,730 | 100.00 | 20.10 | | II manisus ab la | |
| | 4,000,730 | 100.00 | 32.16 | 49.61 | Unassignable | |

PROJECT NAME:

ENGINEERING SCIENCE BUILDING-ADD

PROJECT NUMBER: WE022 BUILDING TYPE:

ENGINEERING

PROJECT TYPE: UACP CODE:

ADDITION 7-1 SUBMISSION DATE: 09/69

USE CATEGORY TYPE:

NASF: GSF:

77,473 139,998 .55

NASF/GSF:

TENDER/ESTIMATE DATE: 09/69 09/69 - 05/71CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| 8,000 | .10 .10 .20 | .06 | .10 .05 .16 | Classroom Special Purpose Research Laboratory Dry Lab Wet Lab Office Library | 100.0 |
|-------------------------------------|---|---|---|--|-----------------|
| 4,037 12,037 22,986 72,567 | .40 | .03 .09 | .05 | Research Laboratory Dry Lab Wet Lab | |
| 12,037 22,986 72,567 | .40 | .09 | | Research Laboratory Dry Lab Wet Lab | |
| 22,986 72,567 | .40 | | .16 | Laboratory Dry Lab Wet Lab Office | 100.0 - - |
| 72,567 | | 10 | | Dry Lab Wet Lab Office | - - |
| 72,567 | | 10 | | Wet Lab | - - |
| 72,567 | | 10 | | Office | - - |
| 72,567 | | 10 | | | _ |
| 72,567 | | 10 | | | _ |
| 72,567 | | 10 | | Library | _ |
| 72,567 | | 10 | | Library | |
| 72,567 | | 10 | | | |
| 72,567 | | 1.0 | | | |
| 72,567 | | .16 | .30 | Physical Education | _ |
| | 1.30 | .52 | .94 | | |
| | ,20 | .09 | .16 | Special Use | |
| 2,631,500 | 48.50 | 18.80 | 33.97 | Audio Visual | _ |
| 2,739,740 | 50.40 | 19.57 | 35.36 | Clinic | _ |
| 2,100,120 | 00.10 | | | Demonstration | - |
| | | | | | |
| | | | | General Use | _ |
| 1,030,710 | 19.00 | 7.36 | 13.30 | Assembly | - |
| | | | | Exhibition | |
| 555,982 | 10.20 | 3.97 | | Food | _ |
| | 2.40 | .93 | 1.68 | Recreation | _ |
| , | | | | | |
| 4.208.554 | 77.50 | 30.06 | 54.32 | Supporting | |
| _,, | | | | Data Processing | _ |
| | | | | Shops | _ |
| 294.038 | 5.40 | 2.10 | 3.80 | Physical Plant | _ |
| * | | .84 | 1.52 | | |
| 110,010 | | | | Central Utility | _ |
| 412.054 | 7.60 | 2.94 | 5.32 | | |
| 412,001 | ***** | | | Total NASF | 100.0% |
| | | | | | |
| 515,000 | 9.50 | 3.68 | 6.65 | Non-Assignable | |
| | 5.40 | 2.11 | 3.81 | Custodial | |
| | | | | Circulation | |
| 810,000 | 14.90 | 5.79 | 10.46 | Mechanical | |
| 0_0,000 | | | | Rest Room | |
| 5 430 608 | 100.00 | 38.79 | 70.10 | Unassignable | |
| | 1,030,710 555,982 129,915 4,208,554 294,038 118,016 412,054 515,000 295,000 810,000 5,430,608 | 555,982 10.20 129,915 2.40 4,208,554 77.50 294,038 5.40 118,016 2.20 412,054 7.60 515,000 9.50 295,000 5.40 810,000 14.90 | 555,982 10.20 3.97 129,915 2.40 .93 4,208,554 77.50 30.06 294,038 5.40 2.10 118,016 2.20 .84 412,054 7.60 2.94 515,000 9.50 3.68 295,000 5.40 2.11 810,000 14.90 5.79 | 555,982 10.20 3.97 7.18 129,915 2.40 .93 1.68 4,208,554 77.50 30.06 54.32 294,038 5.40 2.10 3.80 118,016 2.20 .84 1.52 412,054 7.60 2.94 5.32 515,000 9.50 3.68 6.65 295,000 5.40 2.11 3.81 810,000 14.90 5.79 10.46 | State |

Engineering Buildings Alterations

PROJECT NAME:

C. J. MACKENZIE BUILDING—ALTERATIONS

PROJECT NUMBER: CA054

BUILDING TYPE: PROJECT TYPE: ALTERATION

7-1 UACP CODE: SUBMISSION DATE: 07/69 USE CATEGORY TYPE:

NASF: GSF:

2,049 2,181

ENGINEERING

NASF/GSF:

.94

TENDER/ESTIMATE DATE: 05/69

CONSTRUCTION TIME: MARKET CONDITION:

06/69 - 09/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | 52.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | 1,209 | 1.00 | .55 | .59 | Special Use | |
| Architectural | 30,023 | 24.60 | 13.77 | 14.65 | Audio Visual | _ |
| Building Cost | 31,232 | 25.60 | 14.32 | 15.24 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 22,229 | 18.20 | 10.19 | 10.85 | Assembly | _ |
| | | | | | Exhibition | |
| Electrical | 3,100 | 2.50 | 1.42 | 1.51 | Food | 47.8 |
| Fed. Sales Tax Rebate | _ | \$100m | | | Recreation | water |
| Sub-Total 'A' | 56,561 | 46.30 | 25.93 | 27.60 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 5,656 | 4.60 | 2.59 | 2.76 | Physical Plant | _ |
| Miscellaneous | 1,697 | 1.40 | .78 | .83 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 7,353 | 6.00 | 3.37 | 3.59 | | |
| | | | | | Total NASF | 100.0% |
| Furniture | 5,802 | 4.70 | 2.66 | 2.83 | Non-Assignable | |
| Equipment | 52,501 | 43.00 | 24.07 | 25.62 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 58,303 | 47.70 | 26.73 | 28.45 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 122,217 | 100.00 | 56.04 | 59.65 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: QU007

METAL PHYSICS LABORATORY — ALTER

USE CATEGORY TYPE:

NASF: GSF: NASF/GSF: 1.435 1,537

BUILDING TYPE: PROJECT TYPE:

ENGINEERING ALTERATION

TENDER/ESTIMATE DATE: 06/65

.93

7-2 UACP CODE: SUBMISSION DATE: 07/69

CONSTRUCTION TIME: 06/65 - 01/69MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 7,943 | 17.20 | 5.17 | 5.54 | Physical Education | _ |
| Cash Allowance | _ | | | _ | | |
| Built-in Equipment | | | | _ | Special Use | |
| Architectural | 16,566 | 35.90 | 10.78 | 11.54 | Audio Visual | _ |
| Building Cost | 24,509 | 53.10 | 15.95 | 17.08 | Clinic | _ |
| Disconding & Door | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. Mechanical | | | | | General Use | |
| nechanical | 7,421 | 16.10 | 4.83 | 5.17 | Assembly | _ |
| Electrical | | | | | Exhibition | _ |
| Fed. Sales Tax Rebate | 11,930 | 25.80 | 7.76 | 8.31 | Food | |
| red. Sales fax Repate | | | _ | _ | Recreation | |
| Sub-Total 'A' | 43,860 | 94.90 | 28.54 | 30.56 | Supporting | |
| | , | | | 00.00 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | | | | | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 2,243 | 4.90 | 1.46 | 1.56 | Non-Assignable | |
| Equipment | 93 | .20 | .06 | .06 | Custodial | |
| | 93 | .20 | .00 | .06 | Circulation | |
| Sub-Total 'C' | 2,336 | 5.10 | 1.52 | 1.63 | Mechanical | |
| | 2,000 | 0,10 | 1.02 | 1.00 | Rest Room | |
| | | | | | itest itooni | |
| Total Project Cost | 46,196 | 100.00 | 30.06 | 32.19 | Unassignable | |

PROJECT NAME:

ENGINEERING SCIENCE BUILDING - REN

PROJECT NUMBER: WE032 BUILDING TYPE:

ENGINEERING

PROJECT TYPE:

ALTERATION

UACP CODE: SUBMISSION DATE: 03/71

7-1

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 03/71

CONSTRUCTION TIME: MARKET CONDITION:

20,145

04/71 - 08/71NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | _ | | _ | more | | |
| Alter'ns & Renova'ns | 58,000 | 15.60 | | 2.88 | Special Purpose | |
| ite Development | 58,000 | 15.60 | _ | 2.88 | Research | |
| tte Development | 00,000 | 20.00 | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 3,600 | 1.00 | _ | .18 | | |
| Built-in Equipment | _ | _ | _ | _ | Special Use | |
| Architectural | 6,844 | 1.80 | _ | .34 | Audio Visual | _ |
| Building Cost | 10,444 | 2.80 | _ | .52 | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 142,423 | 38.40 | **** | 7.07 | Assembly | _ |
| | | 3412 | | | Exhibition | _ |
| Electrical | 16,973 | 4.60 | _ | .84 | Food | _ |
| Fed. Sales Tax Rebate | | _ | _ | | Recreation | |
| red, bales fax hebate | | | | | 100010411011 | |
| Sub-Total 'A' | 227,840 | 61.40 | quantita | 11.31 | Supporting | |
| ub-10tal A | 221,040 | 01.10 | | 22,02 | Data Processing | _ |
| | | | | | Shops | _ |
| P | 9,800 | 2.60 | _ | .49 | Physical Plant | _ |
| Fees | | 1.80 | | .34 | Physical Plant | |
| Miscellaneous | 6,860 | 1.60 | | .04 | 0 . 1 | _ |
| | | | | | Central Utility | |
| Sub-Total 'B' | 16,660 | 4.50 | _ | .83 | | 0.0% |
| | | | | | Total NASF | 0.0% |
| | | | | 0.04 | | |
| Furniture | 46,500 | 12.50 | | 2.31 | Non-Assignable | |
| Equipment | 80,000 | 21.60 | _ | 3.97 | Custodial | |
| | | | • | | Circulation | |
| Sub-Total 'C' | 126,500 | 34.10 | _ | 6.28 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | ** | |
| Total Project Cost | 371,000 | 100.00 | | 18.42 | Unassignable | |

USE CATEGORY TYPE:

9,100

PROJECT COST/SPACE RECORD

PROJECT NAME:

ENGINEERING ALTERATIONS

PROJECT NUMBER: WA064

BUILDING TYPE: ENGINEERING PROJECT TYPE: ALTERATION

UACP CODE: 7—1 SUBMISSION DATE: 05/70 USE CATEGORY TYPE:

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 03/70

CONSTRUCTION TIME: MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | No. |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 44,550 | 13.60 | _ | 4.90 | | |
| Built-in Equipment | 29,452 | 9.00 | _ | 3.24 | Special Use | |
| Architectural | 144,487 | 44.20 | | 15.88 | Audio Visual | - |
| Building Cost | 218,489 | 66.90 | ***** | 24.01 | Clinic | - |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 56,211 | 17.20 | | 6.18 | Assembly | - |
| | | | | | Exhibition | |
| Electrical | 14,400 | 4.40 | - | 1.58 | Food | - |
| Fed. Sales Tax Rebate | _ | _ | _ | _ | Recreation | |
| Sub-Total 'A' | 289.100 | 88.50 | _ | 31.77 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 28,910 | 8.80 | | 3.18 | Physical Plant | _ |
| Miscellaneous | 8,673 | 2.70 | - | .95 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 37,583 | 11.50 | | 4.13 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 326,683 | 100.00 | _ | 35.90 | Unassignable | |

Engineering Buildings Renovations

PROJECT NAME:

UACP CODE:

PHYSICS BUILDING - RENOVATIONS

PROJECT NUMBER: GU039 BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE: 11/70

7-1

USE CATEGORY TYPE:

ENGINEERING RENOVATION

NASF: GSF:

16,041 30,592

NASF/GSF:

TENDER/ESTIMATE DATE: 11/70

.52

CONSTRUCTION TIME: 12/70 - 09/71

MARKET CONDITION:

| COST ELEMENT | ACTUAL | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|---------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 1,870 | .20 | .06 | .12 | | |
| Alter'ns & Renova'ns | 15,690 | 1.90 | .51 | .98 | Special Purpose | |
| Site Development | 17,560 | 2.10 | .57 | 1.09 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | _ |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 12,700 | 1 50 | 40 | M.O. | Th. 1 173 | |
| Cash Allowance | | 1.50 | .42 | .79 | Physical Education | _ |
| Built-in Equipment | 19,450 | 2.40 | .64 | 1.21 | 0 | |
| Architectural | 293,890 | | | | Special Use | |
| Building Cost | 326,040 | 35.60 39.50 | 9.61 | 18.32 | Audio Visual Clinic | _ |
| Danieling Cool | 320,040 | 39.00 | 10.66 | 20.32 | | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 231,000 | 28.00 | 7.55 | 14.40 | Assembly | |
| | 201,000 | 20.00 | 7,00 | 14.40 | Exhibition | _ |
| Electrical | 68,000 | 8.20 | 2.22 | 4.24 | Food | |
| Fed. Sales Tax Rebate | - | | | -2007-X | Recreation | |
| | | | | | itecicamon | |
| Sub-Total 'A' | 642,600 | 77.90 | 21.01 | 40.06 | Supporting | |
| | | | | 2000 | Data Processing | |
| | | | | | Shops | |
| Fees | 51,408 | 6.20 | 1.68 | 3.20 | Physical Plant | _ |
| Miscellaneous | 38,492 | 4.70 | 1.26 | 2.40 | y | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 89,900 | 10.90 | 2,94 | 5.60 | | |
| | | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | 92,500 | 11.20 | 3.02 | 5.77 | Non-Assignable | |
| Equipment | | - | _ | _ | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 92,500 | 11.20 | 3.02 | 5.77 | Mechanical | |
| | | | | | Rest Room | |
| m | | | | | | |
| Total Project Cost | 825,000 | 100.00 | 26.97 | 51.43 | Unassignable | |
| | | | | | | |

PROJECT NAME:

ELECTRICAL ENGINEERING REN

PROJECT NUMBER: OT059

BUILDING TYPE: PROJECT TYPE:

ENGINEERING RENOVATION

UACP CODE: 7-1 SUBMISSION DATE: 04/71 NASF:

GSF:

12,656 20,500

.62

NASF/GSF:

TENDER/ESTIMATE DATE: 04/71

05/71 - 09/71

CONSTRUCTION TIME:

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop, (Excl.) | _ | _ | _ | _ | Classroom | 11.1 |
| Site Develop, (Incl.) | 550 | .10 | .03 | .04 | | |
| Alter'ns & Renova'ns | 91,752 | 15.40 | 4.48 | 7.25 | Special Purpose | |
| Site Development | 92,302 | 15.40 | 4.50 | 7.29 | Research | 57.9 |
| | | | | | Laboratory | 11.1 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 19.8 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 4,000 | .70 | .20 | .32 | Physical Education | _ |
| Cash Allowance | 15,500 | 2.60 | .76 | 1.22 | | |
| Built-in Equipment | 100,715 | 16.90 | 4.91 | 7.96 | Special Use | |
| Architectural | 45,000 | 7.50 | 2.20 | 3.56 | Audio Visual | _ |
| Building Cost | 165,215 | 27.60 | 8.06 | 13.05 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 199,750 | 33.40 | 9.74 | 15.78 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 72,430 | 12.10 | 3.53 | 5.72 | Food | _ |
| Fed. Sales Tax Rebate | weigh | _ | _ | | Recreation | |
| Sub-Total 'A' | 529,697 | 88.60 | 25.84 | 41.85 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 52,970 | 8.90 | 2.58 | 4.19 | Physical Plant | _ |
| Miscellaneous | 15,000 | 2.50 | .73 | 1.19 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 67,970 | 11.40 | 3.32 | 5.37 | | |
| | | | | | Total NASF | 99.9% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 597,667 | 100.00 | 29.15 | 47.22 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

FLEMING HALL RENOVATIONS

PROJECT NUMBER: QU084 BUILDING TYPE: PROJECT TYPE:

ENGINEERING RENOVATION

UACP CODE: 7-1 SUBMISSION DATE: 03/70

USE CATEGORY TYPE:

NASF: GSF:

4,441

NASF/GSF:

8,000 .56

TENDER/ESTIMATE DATE: 03/70

CONSTRUCTION TIME:

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop, (Incl.) Alter'ns & Renova'ns | | | | | | |
| e Development | | | | | Special Purpose | |
| Development | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | 22.02.02.3 | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | - |
| lding Cost | | | | | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| chanical | | | | | Assembly | _ |
| F11- 4 1 1 | | | | | Exhibition | _ |
| Electrical Fed. Sales Tax Rebate | | | | | Food | |
| red. Sales Tax Rebate | | | | | Recreation | |
| o-Total 'A' | 79,586 | 26,90 | 9.95 | 17.92 | Supporting | |
| | 70,000 | 20,30 | 0.00 | 11.02 | Data Processing | anna. |
| | | | | | Shops | |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | |
| | | | | | Central Utility | _ |
| -Total 'B' | | | | | | |
| | | | | | Total NASF | 0.0% |
| Furniture | _ | _ | _ | _ | Non-Assignable | |
| Equipment | 216,757 | 73.10 | 27.09 | 48.81 | Custodial | |
| | 220,101 | 10.10 | 21.00 | 10.01 | Circulation | |
| o-Total 'C' | 216,757 | 73.10 | 27.09 | 48.81 | Mechanical | |
| | , , , , | | | | Rest Room | |
| al Project Cost | 296,343 | 100.00 | 37.04 | 66.73 | Unassignable | |
| | | | 0 | 500 | | |
| | | | | | | |

PROJECT NAME:

ELECTRICAL BUILDING RENOVATIONS

PROJECT NUMBER: TO048 BUILDING TYPE:

ENGINEERING RENOVATION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 04/68

7-2

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 10/66

CONSTRUCTION TIME:

01/67 - 05/68

58,768

BUSY MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | C : 1 P | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.00 | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | v 13 | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | D1 : 171 :: | |
| Building Equipment | 0.000 | m o | 10 | | Physical Education | _ |
| Cash Allowance | 6,000 | .70 | .10 | _ | C | |
| Built-in Equipment | | | _ | _ | Special Use | |
| Architectural | 251,969 | 28.30 | 4.29 | _ | Audio Visual | - |
| Building Cost | 257,969 | 29.00 | 4.39 | _ | Clinic | _ |
| | | | | | Demonstration | - |
| Plumbing & Drains | | | | | Company 177 | |
| Heat. Vent. & Cond. | 014050 | 05.00 | E 0.4 | | General Use | |
| Mechanical | 314,053 | 35.30 | 5.34 | _ | Assembly | _ |
| | | | | | Exhibition | |
| Electrical | 142,641 | 16.00 | 2.43 | _ | Food | |
| Fed. Sales Tax Rebate | _ | _ | purpur | _ | Recreation | _ |
| Sub-Total 'A' | 714,663 | 80.30 | 12.16 | | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 49,017 | 5.50 | .83 | _ | Physical Plant | _ |
| Miscellaneous | | _ | _ | _ | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 49,017 | 5.50 | .83 | | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 104,062 | 11.70 | 1.77 | _ | Non-Assignable | |
| Equipment | 22,020 | 2.50 | .37 | | Custodial | |
| | | | , | | Circulation | |
| Sub-Total 'C' | 126,082 | 14.20 | 2.15 | _ | Mechanical | |
| | | | | | Rest Room | |
| | 889,762 | 100.00 | 15.14 | | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

WALLBERG BUILDING—RENOVATIONS

PROJECT NUMBER: TO065 BUILDING TYPE: ENGINEERING

PROJECT TYPE: UACP CODE:

RENOVATION

SUBMISSION DATE: 03/71

7-1

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 02/71

CONSTRUCTION TIME:

04/71 - 09/71

MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | | | - | Classroom | |
| Site Develop, (Incl.) | _ | _ | - | _ | | |
| Alter'ns & Renova'ns | 21,939 | 8.90 | _ | - | Special Purpose | |
| Site Development | 21,939 | 8.90 | _ | | Research | |
| To M. and R. Contl. Th | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | 200 = 442 9 | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 11,904 | 4.80 | _ | | | |
| Built-in Equipment | - | | _ | _ | Special Use | |
| Architectural | 129,138 | 52.30 | | | Audio Visual | _ |
| Building Cost | 141,042 | 57.10 | | _ | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 32,357 | 13.10 | maps. | - | Assembly | |
| *** | 04.050 | 10.00 | | <u>**</u> | Exhibition | _ |
| Electrical | 34,056 | 13.80 | | - | Food Recreation | |
| Fed. Sales Tax Rebate | - | _ | - | _ | Recreation | |
| Sub-Total 'A' | 229,394 | 92.80 | _ | _ | Supporting | |
| | , | | | | Data Processing | _ |
| | | | | | Shops | - Capital |
| Fees | 17,757 | 7.20 | _ ' | _ | Physical Plant | _ |
| Miscellaneous | | _ | _ | _ | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 17,757 | 7.20 | _ | _ | | |
| | | | | | Total NASF | 0.0% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Ederbations. | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 247,151 | 100.00 | _ | | Unassignable | |
| | | | | | | |

USE CATEGORY TYPE:



MC 35 / Humanities & Social Sciences, Complex 3 - 1967

Somerville, McMurrich & Oxley, Architects

Food Services Buildings

PROJECT NAME:

UACP CODE:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UNIVERSITY FOOD SERVICES

CA017

FOOD SERVICES NEW BUILDING 7 - 1

06/68 SUBMISSION DATE:

USE CATEGORY TYPE: FOOD

730

22/SEP/71

NASF/GSF:

NASF: GSF:

TENDER/ESTIMATE DATE:

12/67 01/68 - 05/69

62,241

88,881

.70

CONSTRUCTION TIME: SLACK MARKET CONDITION:

| | | | | | MINICIPAL CONDITION | | |
|--|------------------------|--------------------|------------------|-------------------|---------------------|-------------------------|--|
| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA | |
| Site Develop. (Excl.) | | _ | | _ | Classroom | 8.5 | |
| Site Develop. (Incl.) | 13,800 | .40 | .16 | .22 | | | |
| Alter'ns & Renova'ns | _ | - | | _ | Special Purpose | | |
| te Development | 13,800 | .40 | .16 | .22 | Research | | |
| T 22 4 6 G 21 D 22 | | | | | Laboratory | _ | |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab | | |
| Horizontal Elements | | | | | Wet Lab | | |
| Exterior Cladding | | | | | Office | 8.0 | |
| Int, Vert, Elements | | | | | Office | | |
| Multi-Storey Elements | | | | | Library | 2.6 | |
| Interior Finishes | | | | | | | |
| Building Equipment | 448,500 | 14.50 | 5.05 | 7.21 | Physical Education | _ | |
| Cash Allowance | 57,800 | 1.90 | .65 | .93 | | | |
| Built-in Equipment | 1 007 000 | 45.10 | | | Special Use | | |
| Architectural | 1,395,620 1,901 920 | 45.10 61.40 | 15.70 21.40 | 22.42 30.56 | Audio Visual | _ | |
| uilding Cost | 1,501 720 | 01.40 | 21.40 | 30.50 | Clinic | | |
| Dlambing & Dusins | | | | | Demonstration | | |
| Plumbing & Drains Heat, Vent, & Cond. | | | | | General Use | | |
| echanical | 450,000 | 14.50 | 5.06 | 7.23 | Assembly | _ | |
| cenanicai | 100,000 | 2 210 0 | 0.00 | | Exhibition | - | |
| Electrical | 152,000 | 4.90 | 1.71 | 2.44 | Food | 61.5 | |
| Fed. Sales Tax Rebate | 100,708 | 3.30 | 1.13 | 1.62 | Recreation | 15.4 | |
| | | | | | | | |
| ab-Total 'A' | 2,417,012 | 78.00 | 27.19 | 38.83 | Supporting | | |
| | | | | | Data Processing | Accessed | |
| | 151 000 | 4.00 | 4 70 | | Shops | - | |
| Fees | 151,063 | 4.90 | 1.70 | 2.43 | Physical Plant | 4.0 | |
| Miscellaneous | 75,531 | 2.40 | .85 | 1.21 | O 4 1 774 11'4 | | |
| ub-Total 'B' | 226,594 | 7.30 | 2.55 | 3.64 | Central Utility | | |
| np-10tal B | 220,001 | 1,00 | 2.00 | 0.02 | Total NASF | 100.0 | |
| | | | | | I Otal NASI | | |
| Furniture | 453,670 | 14.60 | 5.10 | 7.29 | Non-Assignable | | |
| Equipment | _ | _ | | enu | Custodial | | |
| | | | | | Circulation | | |
| ub-Total 'C' | 453,670 | 14.60 | 5.10 | 7.29 | Mechanical | | |
| | | | | | Rest Room | | |
| | 2.005.050 | 100.00 | 04.05 | 40.70 | | | |
| otal Project Cost | 3,097,276 | 100.00 | 34.85 | 49.76 | Unassignable | | |
| | | | | | | | |
| | | | | | | | |

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

WA010

FOOD SERVICES NEW BUILDING

7 - 111/68

FOOD SERVICES BLDG 65

FOOD

USE CATEGORY TYPE:

730

22/SEP/71

NASF: GSF:

42,222 62,030 .68

NASF/GSF:

07/66

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/66 -- 09/67

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | - | | _ | - | Classroom | _ |
| Site Develop. (Incl.) | 60,743 | 3.10 | .98 | 1.44 | | |
| Alter'ns & Renova'ns Site Development | 60,743 | 3.10 | _ .98 | _ | Special Purpose | |
| Site Development | 60,743 | 9.10 | .96 | 1.44 | Research | - |
| Indirect & Gen'l Exp | | | | | Laboratory | - |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | 9.8 |
| Int. Vert. Elements | | | | | Office | J.0 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 213,783 | 10.90 | 3.45 | 5.06 | Physical Education | _ |
| Cash Allowance | 20,500 | 1.00 | .33 | .49 | | |
| Built-in Equipment | <u> </u> | _ | | _ | Special Use | |
| Architectural | 847,173 | 43.30 | 13.66 | 20.06 | Audio Visual | |
| Building Cost | 1,081,456 | 55.20 | 17.43 | 25.61 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent, & Cond. | | | | | 0 1 | |
| Mechanical | 352,551 | 18.00 | 5.68 | 8.35 | General Use | |
| rechanical | 352,551 | 16.00 | 0.00 | 8.30 | Assembly | _ |
| Electrical | 189,050 | 9.70 | 3.05 | 4.48 | Exhibition Food | 87.6 |
| Fed. Sales Tax Rebate | 67,352 | 3.40 | 1.09 | 1.60 | Recreation | 1.7 |
| | | 0.10 | 2.00 | 2.00 | itecreation | ±.1 |
| ub-Total 'A' | 1,616,448 | 82.60 | 26.06 | 38.28 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 101,028 | 5.20 | 1.63 | 2.39 | Physical Plant | 0.8 |
| Miscellaneous | 50,514 | 2.60 | .81 | 1.20 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 151,542 | 7.70 | 2.44 | 3.59 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 190,000 | 9.70 | 3.06 | 4.50 | Non-Assignable | |
| Equipment | 150,050 | 9. 10 | 5.06 — | 4.50 | Custodial | |
| _ 1 | | | | | Circulation | |
| ub-Total 'C' | 190,000 | 9.70 | 3.06 | 4.50 | Mechanical | |
| | , | 0,10 | 3.00 | 2.00 | Rest Room | |
| | | | | | | |
| Total Project Cost | 1,957,990 | 100.00 | 31.57 | 46.37 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: CENTRAL FOOD SERVICES COMMISSARY

WE039 FOOD SERVICES USE CATEGORY TYPE: FOOD

730

NASF: GSF: NASF/GSF: 23,535 43,550 .54

BUILDING TYPE: PROJECT TYPE: UACP CODE: SUBMISSION DATE:

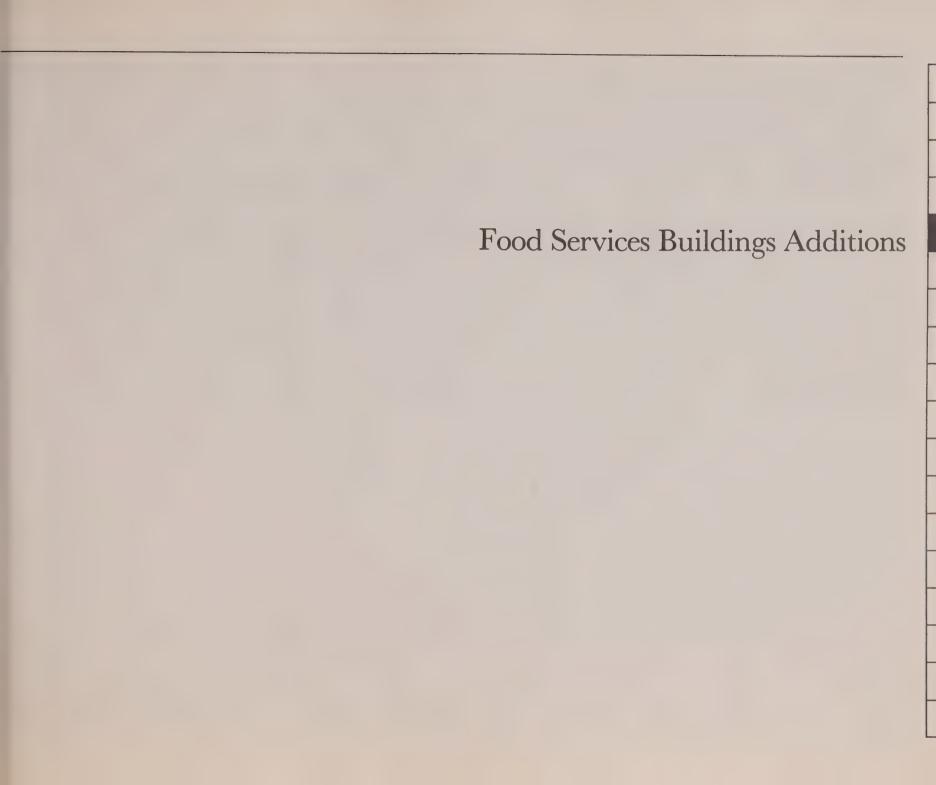
NEW BUILDING 7 - 1

05/71

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

01/71 02/71 - 09/71NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|-------------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 5,000 | .40 | .11 | .21 | Classroom | - |
| Site Develop. (Incl.) | 78,000 | 6.50 | 1.79 | 3.31 | 0.110 | |
| Alter'ns & Renova'ns | | _ | - | 3.53 | Special Purpose Research | _ |
| Site Development | 83,000 | 6.90 | 1.91 | 3.03 | Laboratory | _ |
| * 11 | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet hab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 13.2 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | _ | Physical Education | - |
| Cash Allowance | 18,429 | 1.50 | .42 | .78 | | |
| Built-in Equipment | <u> </u> | _ | _ | minte | Special Use | |
| Architectural | 332,824 | 27.90 | 7.64 | 14.14 | Audio Visual | _ |
| Building Cost | 351,253 | 29.40 | 8.07 | 14.92 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | 40.00 | General Use | _ |
| Mechanical | 289,497 | 24.20 | 6.65 | 12.30 | Assembly Exhibition | |
| | 414 600 | 9.30 | 2.56 | 4.74 | Food | 86.8 |
| Electrical | 111,629 24,579 | 2.10 | .56 | 1.04 | Recreation | _ |
| Fed. Sales Tax Rebate | 24,019 | 2.10 | .50 | 1,04 | Recleation | |
| Sub-Total 'A' | 810,800 | 67.80 | 18.62 | 34.45 | Supporting | |
| Sub-Total A | 010,000 | 01.00 | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 44,300 | 3.70 | 1.02 | 1.88 | Physical Plant | - |
| Miscellaneous | 22,000 | 1.80 | .51 | .93 | | |
| 111100114110040 | | | | | Central Utility | - |
| Sub-Total 'B' | 66,300 | 5.50 | 1.52 | 2.82 | | 4.00.0 |
| | | | | | Total NASF | 100.0 |
| | 26,000 | 2.20 | .60 | 1.10 | Non-Assignable | |
| Furniture | 291,900 | 24.40 | 6.70 | 12.40 | Custodial | |
| Equipment | 291,900 | 27.70 | 3.10 | 221.40 | Circulation | |
| Sub-Total 'C' | 317,900 | 26.60 | 7.30 | 13.51 | Mechanical | |
| Sub-Total C | 021,000 | 20.00 | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 1,195,000 | 100.00 | 27.44 | 50.78 | Unassignable | |



PROJECT NAME:

UNIVERSITY CENTRE EXTENSION

PROJECT NUMBER: LH019 BUILDING TYPE:

FOOD SERVICES

PROJECT TYPE:

ADDITION

UACP CODE: SUBMISSION DATE: 07/68

7-1

USE CATEGORY TYPE:

NASF: GSF:

43,000

NASF/GSF:

87,000 .49

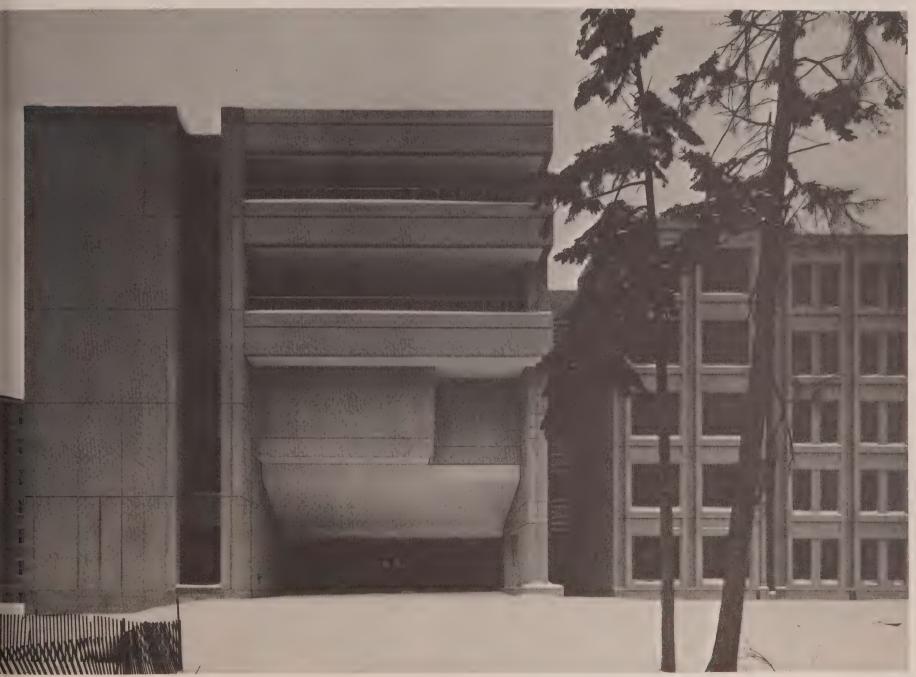
TENDER/ESTIMATE DATE: 12/67

12/67 - 04/69

CONSTRUCTION TIME:

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 2,000 | .10 | .02 | .05 | Classroom | |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | _ | - | _ | _ | Special Purpose | |
| Site Development | 2,000 | .10 | .02 | .05 | Research | _ |
| | | | | | Laboratory | <u> </u> |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 405,500 | 12.20 | 4.66 | 9.43 | Physical Education | |
| Cash Allowance | 78,000 | 2.30 | .90 | 1,81 | _ 11, 11011 1-1111-1-1 | |
| Built-in Equipment | _ | _ | | _ | Special Use | |
| Architectural | 1,560,900 | 46.90 | 17.94 | 36.30 | Audio Visual | _ |
| Building Cost | 2,044,400 | 61.50 | 23.50 | 47.54 | Clinic | _ |
| | _,0 11,100 | 02.00 | 20.00 | 2710-2 | Demonstration | _ |
| Plumbing & Drains | | | | | 201110110111011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 727,000 | 21.90 | 8.36 | 16.91 | Assembly | _ |
| Accimanical | 121,000 | 21.90 | 8.30 | 10.91 | Exhibition | |
| Electrical | 228,500 | 6.90 | 9.09 | 5.31 | Food | |
| Fed. Sales Tax Rebate | | | 2.63 | | Recreation | |
| reu. Sales Tax Rebate | 116,900 | 3.50 | 1.34 | 2.72 | Recreation | |
| Sub-Total 'A' | 2,885,000 | 86.80 | 33.16 | 67.09 | Supporting | |
| 740 10042 71 | 2,883,000 | 80.80 | 33.10 | 07.00 | Data Processing | _ |
| | | | | | Shops | |
| Fees | 290,000 | 8.70 | 3.33 | 6.74 | Physical Plant | _ |
| Miscellaneous | 60,000 | 1.80 | .69 | 1.40 | I lly sical I lallt | |
| Miscellaneous | 00,000 | 1.60 | .03 | 1.40 | Central Utility | |
| Sub-Total 'B' | 350,000 | 10.50 | 4.02 | 8.14 | Central Othlity | _ |
| Sub-10tal B | 350,000 | 10.50 | 4.02 | 5.14 | Total NASF | |
| | | | | | Total NASF | 0.0% |
| Furniture | 00.000 | 2.70 | 1.04 | 0.11 | NT A | |
| | 90,600 | | 1.04 | 2.11 | Non-Assignable | |
| Equipment | _ | _ | - | _ | Custodial | |
| 1 | 00.000 | 0.50 | 1.04 | 0.44 | Circulation | |
| Sub-Total 'C' | 90,600 | 2.70 | 1.04 | 2.11 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2 225 600 | 100.00 | 20.00 | ## O.4 | Unassignable | |
| otal i foject Cost | 3,325,600 | 100.00 | 38.23 | 77.34 | Onassignable | |



QU 5/ Humanities Building - 1965

Gordon S. Adamson & Associates

PROJECT NAME:

CREELMAN HALL - RENOVATIONS

PROJECT NUMBER: GU045

BUILDING TYPE: FOOD SERVICES

PROJECT TYPE: RENOVATION UACP CODE:

7-2

SUBMISSION DATE: 06/70

NASF:

17,475

GSF: NASF/GSF: 29,335 .60

TENDER/ESTIMATE DATE: 06/68

CONSTRUCTION TIME: MARKET CONDITION:

06/68 - 09/68 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 1,393 | .70 | .05 | .08 | | |
| Alter'ns & Renova'ns | 101,891 | 52.40 | 3.47 | 5.83 | Special Purpose | |
| Site Development | 103,284 | 53.10 | 3.52 | 5.91 | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment Cash Allowance | 10 220 | 9.90 | .66 | 1.10 | Physical Education | _ |
| Built-in Equipment | 19,220 | 9.90 | .66 — | - | | |
| Architectural | | _ | _ | | Special Use | |
| Building Cost | 19,220 | 9.90 | .66 | 1.10 | Audio Visual | - |
| Sunding Cost | 13,220 | 3.30 | .00 | 1.10 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 18,664 | 9.60 | .64 | 1.07 | Assembly | _ |
| | ., | | | | Exhibition | _ |
| Electrical | 22,068 | 11.40 | .75 | 1.26 | Food | |
| Fed. Sales Tax Rebate | _ | _ | _ | _ | Recreation | _ |
| | | | | | 10020401012 | |
| Sub-Total 'A' | 163,236 | 84.00 | 5.56 | 9.34 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 25,485 | 13.10 | .87 | 1.46 | Physical Plant | _ |
| Miscellaneous | 2,178 | 1.10 | .07 | .12 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 27,663 | 14.20 | .94 | 1.58 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 3,530 | 1.80 | .12 | .20 | | |
| Equipment | - 0,030 | 1.00 | | -20 | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Sub-Total 'C' | 3,530 | 1.80 | .12 | .20 | Circulation | |
| 045 1044 0 | 0,000 | 2.00 | *** | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 194,429 | 100.00 | 6.63 | 11.13 | Unassignable | |
| | | | | | Omasignable | |

USE CATEGORY TYPE:

Health Buildings

HEALTH SERVICES BUILDING

PROJECT NUMBER: WA026

BUILDING TYPE: HEALTH SERVICES PROJECT TYPE: NEW BUILDING

UACP CODE: 7 - 1

PROJECT NAME:

11/68 SUBMISSION DATE:

USE CATEGORY TYPE:

CLINIC

620

22/SEP/71

NASF: GSF:

5,988 10,438 .57

NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

09/67

MARKET CONDITION:

09/67 - 09/68

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|----------------------|
| Site Develop, (Excl.) Site Develop, (Incl.) | 26,957 | 6.70 | 2.58 | 4.50 | Classroom | |
| Alter'ns & Renova'ns | 7,000 | 1.80 | .67 | 1.17 | | |
| Site Development | 33,957 | _ | | | Special Purpose | |
| tte Development | 33,937 | 8.50 | 3.25 | 5.67 | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 101 |
| Int. Vert. Elements | | | | | Office | 16.1 |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 6,070 | 1.50 | .58 | 1.01 | Physical Education | |
| Cash Allowance | 8,450 | 2.10 | .81 | 1.41 | Thysical Education | _ |
| Built-in Equipment | _ | | _ | nec-film | Special Use | |
| Architectural | 187,943 | 47.00 | 18.01 | 31.39 | Audio Visual | _ |
| Building Cost | 202,463 | 50.70 | 19.40 | 33.81 | Clinic | 73.4 |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | = | | | | General Use | |
| fechanical fechanical | 71,247 | 17.80 | 6.83 | 11.90 | Assembly | _ |
| | 44.104 | | | | Exhibition | _ |
| Electrical | 44,124 | 11.00 | 4.23 | 7.37 | Food | _ |
| Fed. Sales Tax Rebate | 12,993 | 3.30 | 1.24 | 2.17 | Recreation | 10.5 |
| ub-Total 'A' | 338,798 | 84.80 | 32.46 | 56.58 | Supporting | |
| | | | | | Data Processing | - |
| | | | | | Shops | |
| Fees | 19,490 | 4.90 | 1.87 | 3.25 | Physical Plant | |
| Miscellaneous | 9,745 | 2.40 | .93 | 1.63 | | |
| ub-Total 'B' | 00.00 | | | | Central Utility | _ |
| np-10tal B | 29,235 | 7.30 | 2.80 | 4.88 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 21,000 | 5.30 | 2.01 | 3.51 | Non-Assignable | |
| Equipment | 10,500 | 2.60 | 1.01 | 1.75 | Custodial | |
| | | | | 1.10 | Circulation | |
| ub-Total 'C' | 31,500 | 7.90 | 3.02 | 5.26 | Mechanical | |
| | ,550 | 7.00 | 0.02 | 5.26 | Rest Room | |
| otal Project Cost | 399,533 | 100.00 | 38.28 | 66.72 | Unassignable | |

Law Buildings

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE: UACP CODE:

SUBMISSION DATE:

FACULTY OF LAW BUILDING OT049

LAW LI
NEW BUILDING CO
5 40
08/71

USE CATEGORY TYPE: LIBRARY

CLASSROOM 400 100 300 NASF: GSF: NASF/GSF: 95,137 150,917 .63

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: 08/71 11/71 — 08/73

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|----------------------|
| Site Develop. (Excl.) | 161,180 | 2.80 | 1.07 | 1.69 | Classroom | 30,3 |
| Site Develop, (Incl.) | 61,800 | 1.10 | .41 | .65 | 0 1400E 0 0111 | |
| Alter'ns & Renova'ns | 9,000 | .20 | .06 | .09 | Special Purpose | |
| ite Development | 231,980 | 4.10 | 1.54 | 2.44 | Research | ordina |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | 536,100 | 9.40 | 3.55 | 5.64 | Dry Lab | |
| Substructure | 196,400 | 3.40 | 1.30 | 2.06 | Wet Lab | |
| Horizontal Elements | 931,500 | 16.30 | 6.17 | 9.79 | 1100 2340 | |
| Exterior Cladding | 394,200 | 6.90 | 2.61 | 4.14 | Office | 28.9 |
| Int. Vert. Elements | 369,200 | 6.50 | 2.45 | 3.88 | 011100 | |
| Multi-Storey Elements | 101,100 | 1.80 | .67 | 1.06 | Library | 35.5 |
| Interior Finishes | 419,400 | 7.40 | 2.78 | 4.41 | 2710.441 9 | |
| Building Equipment | 167,600 | 2.90 | 1.11 | 1.76 | Physical Education | _ |
| Cash Allowance | 67,000 | 1.20 | .44 | .70 | I mysical Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| suilding Cost | 3,182,500 | 55.80 | 21.09 | 33.45 | Clinic | _ |
| unung Cost | -,, | | | | Demonstration | |
| Plumbing & Drains | 140,000 | 2.50 | .93 | 1.47 | Demonstration | |
| Heat. Vent. & Cond. | 676,650 | 11.90 | 4.48 | 7.11 | 0 | |
| | 816,650 | 14.30 | 5.41 | 8.58 | General Use | _ |
| [echanical | 010,000 | 14.00 | 0.11 | 0.00 | Assembly | |
| Th | E2C 0E0 | 9.40 | 0.55 | 5.63 | Exhibition | |
| Electrical | 536,050 | | 3.55 | | Food | |
| Fed. Sales Tax Rebate | 138,180 | 2.40 | .92 | 1.45 | Recreation | 5.3 |
| ub-Total 'A' | 4,629,000 | 81.20 | 30.67 | 48.66 | Supporting | |
| ab-10tal A | -,, | 02,20 | 00101 | 20.00 | Data Processing | |
| | | | | | Shops | |
| Fees | 340,000 | 6.00 | 2.25 | 3.57 | Physical Plant | \overline{a} |
| Miscellaneous | 106,000 | 1.90 | .70 | 1.11 | Physical Plant | _ |
| Miscenaneous | 100,000 | 1.00 | | *.11 | G41 7740/4 | |
| Sub-Total 'B' | 446,000 | 7.80 | 2.96 | 4.69 | Central Utility | _ |
| ono-10tar p | 440,000 | 7.60 | 2.90 | 4.09 | m + 137.40P | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 539,000 | 9.50 | 3.57 | 5.67 | Non-Assignable | |
| Equipment | 86,000 | 1.50 | .57 | .90 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 625,000 | 11.00 | 4.14 | 6.57 | Mechanical | |
| | 020,000 | 11.00 | 4.14 | 0.07 | Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 5,700,000 | 100.00 | 37.77 | 59.91 | Unassignable | |
| our roject oust | 0,100,000 | 100.00 | 01.11 | 00.01 | Unassignable | |

PROJECT NAME:

LAW SCHOOL - 67

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

WI024

LAW

UACP CODE: 7 - 1SUBMISSION DATE: 11/68

NEW BUILDING

400

LIBRARY

USE CATEGORY TYPE:

22/SEP/71

NASF:

GSF:

54,176 85,140 .64

NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

10/68 11/68 - 12/69

SLACK MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|------------------------|--------------------|------------------|---|---------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | | | Classroom | 18.0 |
| Site Develop. (Incl.) | 8,500 | .30 | .10 | 16 | | |
| Alter'ns & Renova'ns Site Development | 8,500 | .30 | .10 | .16 | Special Purpose | |
| bite Development | 0,000 | | .10 | • | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding Int, Vert, Elements | | | | | Office | 20.4 |
| Multi-Storey Elements | | | | | Library | 51.3 |
| Interior Finishes | | | | | Library | 01.0 |
| Building Equipment | 40,082 | 1.60 | .47 | .74 | Physical Education | _ |
| Cash Allowance | 55,550 | 2.20 | .65 | 1.03 | | |
| Built-in Equipment | 24,230 | 1.00 | .28 | .45 | Special Use | |
| Architectural Building Cost | 1,356,209 1,476,071 | 53.90 58.70 | 15.93 17.34 | 25.03 27.25 | Audio Visual | |
| building Cost | 1,110,011 | 33.10 | 11.02 | 21.20 | Clinic Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 394,532 | 15.70 | 4.63 | 7.28 | Assembly | |
| | 017 007 | 9.70 | 0.50 | 470.0 | Exhibition | _ |
| Electrical Fed. Sales Tax Rebate | 217,897 83,880 | 8.70 3.30 | 2.56 .99 | 4.02 1.55 | Food | 10.0 |
| red. Sales Tax Rebate | 00,000 | 3.30 | •99 | 1.55 | Recreation | 10.0 |
| Sub-Total 'A' | 2,013,120 | 80.10 | 23.64 | 37.16 | Supporting | |
| | | | | | Data Processing | - |
| | 140.010 | | | 0.00 | Shops | _ |
| Fees | 140,918 60,394 | 5.60 2.40 | 1.66 | 2.60 1.11 | Physical Plant | _ |
| Miscellaneous | 00,054 | 2.40 | .11 | 1.11 | Central Utility | |
| Sub-Total 'B' | 201,312 | 8.00 | 2.36 | 3.72 | Central Othity | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 300,000 | 11.90 | 3.52 | 5.54 | Non-Assignable | |
| Equipment | _ | _ | - | - | Custodial | |
| Sub-Total 'C' | 300,000 | 11.90 | 3,52 | 5.54 | Circulation Mechanical | |
| Dao Iovai O | 300,000 | 11.00 | 0.02 | 0.01 | Rest Room | |
| | | | | | | |
| Total Project Cost | 2,514,432 | 100.00 | 29.53 | 46.41 | Unassignable | |
| | | | | | | |
| A | | | | | | |

14/OCT/71

PROJECT NAME: PROJECT NUMBER:

SUBMISSION DATE:

LAW SCHOOL YO032

LAW

06/67

USE CATEGORY TYPE:

NASF: 115,602 194,872 GSF: .59 NASF/GSF:

BUILDING TYPE: PROJECT TYPE: NEW BUILDING UACP CODE: 7 - 1

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

04/67 04/67 - 05/69

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 17.1 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | _ |
| te Development | | | | | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | * | Wet hab | |
| Exterior Cladding | | | | | Office | 20.7 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 55.2 |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| uilding Cost | | | | | Clinic | words |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | | | | | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | | | | | Food | _ |
| Fed. Sales Tax Rebate | 212,158 | 2.90 | 1.09 | 1.84 | Recreation | 6.8 |
| | Z 000 0 T 4 | | | | | |
| ub-Total 'A' | 5,303,974 | 72.70 | 27.22 | 45.88 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 318,238 | 4.40 | 1.63 | 2.75 | Shops | _ |
| rees Miscellaneous | 159,119 | 2.20 | .82 | 1.38 | Physical Plant | _ |
| Miscenaneous | 100,110 | 20, 20 | .02 | 1.00 | Central Utility | |
| ub-Total 'B' | 477,357 | 6.50 | 2.45 | 4.13 | Central County | _ |
| 2000 | | | | | Total NASF | 100.0 |
| | | | | | 2 | |
| Furniture | 726,000 | 10.00 | 3.73 | 6.28 | Non-Assignable | |
| Equipment | 1,000,000 | 13.70 | 5.13 | 8.65 | Custodial | |
| | 1 700 000 | 00.50 | | | Circulation | |
| ub-Total 'C' | 1,726,000 | 23.70 | 8.86 | 14.93 | Mechanical | |
| | | | | | Rest Room | |
| lotal Business Cont | 7,295,173 | 100.00 | 37.44 | 63.11 | ** | |
| otal Project Cost | 1,250,113 | 100.00 | 01.44 | 69.11 | Unassignable | |

Law Buildings Additions

PROJECT NAME:

LAW BUILDING ADDITION 1966

PROJECT NUMBER: WE018 BUILDING TYPE: LAW

ADDITION

PROJECT TYPE: UACP CODE:

7-2 SUBMISSION DATE: 09/67 USE CATEGORY TYPE:

NASF:

GSF:

21,735 35,456 .61

NASF/GSF: TENDER/ESTIMATE DATE: 09/67

CONSTRUCTION TIME:

10/67 - 03/69

NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|---|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 4,869 | .40 | .14 | .22 | Classroom | 24.3 |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | 13,554 | 1.20 | .38 | .62 | Special Purpose | |
| ite Development | 18,423 | 1.60 | .52 | .85 | Research | _ |
| | • | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 25.6 |
| Int. Vert. Elements | | | | | Office | 20.0 |
| Multi-Storey Elements | | | | | V 11 | 40.5 |
| Interior Finishes | | | | | Library | 40.5 |
| Building Equipment | | | | | D1 : 173 | |
| | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 632,673 | 53.80 | 17.84 | 29.11 | Audio Visual | _ |
| Building Cost | 632,673 | 53.80 | 17.84 | 29.11 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| 1echanical | 262,000 | 22.30 | 7.39 | 12.05 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 87,000 | 7.40 | 2.45 | 4.00 | Food | 9.5 |
| Fed. Sales Tax Rebate | 37,085 | 3.20 | 1.05 | 1.71 | Recreation | _ |
| | | | | | 1002040101 | |
| Sub-Total 'A' | 963,011 | 82.00 | 27.16 | 44.31 | Supporting | |
| | • | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 64,787 | 5.50 | 1.83 | 2.98 | Physical Plant | _ |
| Miscellaneous | 47,004 | 4.00 | 1.33 | 2.16 | i nysicai i iant | |
| miscentancous | 41,001 | 2.00 | 1,00 | 2.10 | Company Marillan | |
| Sub-Total 'B' | 111 701 | 9.50 | 3.15 | 5 1 4 | Central Utility | |
| Just Total B | 111,791 | 9.00 | 3.19 | 5.14 | M-4-1 N/ A C/D | 99.9% |
| | | | | | Total NASF | 03.570 |
| Furniture | 92,984 | 7.90 | 2.62 | 4.00 | NT 4 1 1 1 1 1 | |
| | | | | 4.28 | Non-Assignable | |
| Equipment | 7,249 | .60 | .20 | .33 | Custodial | |
| 1 5 4 1 (6) | 100.053 | 0.50 | | 4.00 | Circulation | |
| Sub-Total 'C' | 100,233 | 8.50 | 2.83 | 4.61 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 1 175 025 | 100.00 | 20.14 | E 4 0.0 | II manaismah la | |
| otal i loject cost | 1,175,035 | 100.00 | 33.14 | 54.06 | Unassignable | |

Lecture Hall Buildings

It will be noted that there is no percentage space breakdown for the following projects:

LA 03

These projects were begun before the Department of University Affairs was in existence—consequently, a facility analysis detail—or space breakdown do not exist for them as projects. It is a fact that the OUPRS provides a space use categorization for the building but it is not possible to interface, with accuracy, the building as it exists in 1969 with the project as it existed prior to 1964—consequently, no space percentage breakdown is provided.

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SUBMISSION DATE:

PROJECT TYPE:

UACP CODE:

THEATRE LECTURE HALL THISTLE PROJ

BR005

LECTURE HALL NEW BUILDING 7 - 2

12/69

USE CATEGORY TYPE: CLASSROOM

100

NASF: GSF: NASF/GSF:

65,789 133,609

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

02/67 04/67 - 07/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 225,000 95,600 | 3.70 1.60 | 1.68 .72 | 3.42 1.45 | Classroom | 57.6 |
| Alter'ns & Renova'ns Site Development | 320,600 | 5.30 | 2.40 | 4.87 | Special Purpose Research Laboratory | 0.9 11.0 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 5.5 |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | 23,756 74,214 | .40 1.20 | .18 .56 | .36 1.13 | Physical Education | _ |
| Built-in Equipment | 24,868 | .40 | .19 | .38 | Special Use | |
| Architectural | 3,168,682 | 52.60 | 23.72 | 48.16 | Audio Visual | 0.5 |
| Building Cost | 3,291,520 | 54.70 | 24.64 | 50.03 | Clinic | 1.1 |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 806,593 | 13.40 | 6.04 | 12.26 | Assembly Exhibition | 9.1 |
| Electrical | 550,849 | 9.10 | 4.12 | 8.37 | Food | _ |
| Fed. Sales Tax Rebate | 142,337 | 2.40 | 1.07 | 2.16 | Recreation | 7.8 |
| Sub-Total 'A' | 4,827,225 | 80.20 | 36.13 | 73.37 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 313,770 | 5,20 | 2.35 | 4 55 | Shops | _ |
| Miscellaneous | - | | _ | 4.77 | Physical Plant | 7.8 |
| Sub-Total 'B' | 313,770 | 5.20 | 2.35 | 4.77 | Central Utility | 40.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 480,000 | 8.00 | 3.59 | 7.30 | Non-Aggignoble | |
| Equipment | 400,000 | 6.60 | 2.99 | 6.08 | Non-Assignable Custodial | |
| | | | , | | Custogial | |
| Sub-Total 'C' | 880,000 | 14.60 | 6.59 | 13.38 | Mechanical Rest Room | |
| Fotal Project Cost | 6,020,995 | 100.00 | 45.06 | 91.52 | Unassignable | |

22/SEP/71

PROJECT NAME:
PROJECT NUMBER:
BUILDING TYPE:
PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

CLASSROOM BLDG 65 LA003

LECTURE HALL NEW BUILDING 7-2

01/70

USE CATEGORY TYPE: CLASSROOM

100

NASF: GSF: NASF/GSF: TENDER/ESTIMATE DATE: 12,943 22,778 .57

TENDER/ESTIMATE DATE: 04/63 CONSTRUCTION TIME: 07/63 - 09/64 MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|--------------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | _ | _ | - | _ | Classroom | |
| Alter'ns & Renova'ns | 22,429 | 4.10 | .98 | 1.73 | | |
| Site Development | 22,429 | 4.10 | _ .98 | 1.73 | Special Purpose Research | |
| | 22,720 | 4.10 | .00 | 1.70 | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Dividiy | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment Architectural | 0.40 | | | | Special Use | |
| Building Cost | 258,611 258,611 | 46.70 | 11.35 | 19.98 | Audio Visual Clinic | |
| 24.14.1.19 | 200,011 | 46.70 | 11.35 | 19.98 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 193,705 | 35.00 | 8.50 | 14.97 | Assembly | |
| Electrical | 04 800 | 44 50 | | | Exhibition | |
| Fed. Sales Tax Rebate | 64,568 19,541 | 11.70 3.50 | 2.83 .86 | 4.99 | Food Recreation | |
| a day bales and respaye | 10,011 | 3.30 | .00 | 1.51 | Recreation | |
| Sub-Total 'A' | 519,772 | 93.90 | 22.82 | 40.16 | Supporting | |
| | , | | | 10.10 | Data Processing | |
| Fees | | | | | Shops | |
| rees Miscellaneous | 33,670 | 6.10 | 1.48 | 2.60 | Physical Plant | |
| Miscenarieous | _ | ween | | _ | Central Utility | |
| Sub-Total 'B' | 33,670 | 6.10 | 1.48 | 2.60 | Central Othicy | |
| | 00,010 | 0.10 | 1,40 | 2.00 | Total NASF | |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Sub-Total 'C' | | | | | Circulation Mechanical | |
| | | | | | Rest Room | |
| | | | | | 2000 | |
| Total Project Cost | 553,442 | 100.00 | 24.30 | 42.76 | Unassignable | |
| | | | | | | |

22/SEP/71

MARKET CONDITION:

PROJECT NAME:
PROJECT NUMBER:
BUILDING TYPE:

ENGINEERING LECTURE HALL 1965

WA008 LECTURE HALL NEW BUILDING USE CATEGORY TYPE: CLASSROOM GSF:
NASF/GSF:
TENDER/ESTIMATE DATE:
CONSTRUCTION TIME:

NASF:

10/65 09/64 — 09/65 BUSY

21,196

41,349

.51

PROJECT TYPE: UACP CODE: SUBMISSION DATE:

7-1 10/70

100

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | **** | _ | _ | | Classroom | 96.4 |
| Site Develop. (Incl.) | 35,848 | 2.20 | .87 | 1.69 | | |
| Alter'ns & Renova'ns | 3,878 | .20 | .09 | .18 | Special Purpose | |
| Site Development | 39,726 | 2.50 | .96 | 1.87 | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | - |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 3.2 |
| Interior Finishes | | | | | | |
| Building Equipment | _ | | _ | _ | Physical Education | **** |
| Cash Allowance | 43,993 | 2.80 | 1.06 | 2.08 | | |
| Built-in Equipment | 15,666 | 1.00 | .38 | .74 | Special Use | |
| Architectural | 1,039,677 | 65.20 | 25.14 | 49.05 | Audio Visual | |
| Building Cost | 1,099,336 | 68.90 | 26.59 | 51.87 | Clinic | — |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 157,538 | 9.90 | 3.81 | 7.43 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 132,400 | 8.30 | 3.20 | 6.25 | Food | _ |
| Fed. Sales Tax Rebate | 57.160 | 3.60 | 1.38 | 2.70 | Recreation | _ |
| | | | | | | |
| Sub-Total 'A' | 1,371,840 | 86.00 | 33.18 | 64.72 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | 0.4 |
| Fees | 85,740 | 5.40 | 2.07 | 4.05 | Physical Plant | _ |
| Miscellaneous | 42,870 | 2.70 | 1.04 | 2.02 | | |
| | | | | | Central Utility | water |
| Sub-Total 'B' | 128,610 | 8.10 | 3.11 | 6.07 | | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | • | | Circulation | |
| Sub-Total 'C' | 95,000 | 6.00 | 2.30 | 4.48 | Mechanical | |
| | | 3,00 | 2.00 | 2, 20 | Rest Room | |
| Total Project Cost | 1,595,450 | 100.00 | 38.58 | 75.27 | Unassignable | |
| 1000.110,000 0000 | 1,595,450 | 100.00 | 00.00 | 10.21 | | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

ALUMNI HALL 65

WE012 RECREATION NEW BUILDING

7-2 12/68

LL 65

USE CATEGORY TYPE:

740 710

NASF: GSF: NASF/GSF:

22/SEP/71

45,200 75,804 .60

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

06/65 06/65 — 02/67

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 2,095 | .10 | .03 | .05 | Classroom | 18.7 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | _ | _ | _ | _ | | |
| te Development | 2.095 | .10 | .03 | - | Special Purpose | |
| or Development | 2.033 | .10 | .03 | .05 | Research Laboratory | 0.6 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | 0.6 |
| Horizontal Elements | | | | | | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 19.4 |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment | _ | _ | _ | | Physical Education | |
| Cash Allowance | 13,995 | .60 | .18 | .31 | | |
| Built-in Equipment | diam'r. | - | _ | - | Special Use | |
| Architectural uilding Cost | 1,590,026 | 69.70 | 20.98 | 35.18 | Audio Visual | |
| unding Cost | 1,604,021 | 70.30 | 21.16 | 35.49 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 362,876 | 15.90 | 4.79 | 8.03 | Assembly | 25.4 |
| | | 20.00 | 2.10 | ٥.٥٥ | Exhibition | 20.4 |
| Electrical | 121,741 | 5.30 | 1.61 | 2.69 | Food | 1.7 |
| Fed. Sales Tax Rebate | 91,450 | 4.00 | 1.21 | 2.02 | Recreation | 33.7 |
| ıb-Total 'A' | 1,999,283 | 87.60 | 26.37 | 44.23 | Supporting | |
| | 2,500,200 | 07.00 | 20.01 | 44.20 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 128,753 | 5.60 | 1.70 | 2.85 | Physical Plant | 0.1 |
| Miscellaneous | 73,787 | 3.20 | .97 | 1.63 | C | |
| ab-Total 'B' | 000 540 | 0.00 | | | Central Utility | _ |
| io Total B | 202,540 | 8.90 | 2.67 | 4.48 | Total NASF | 100.0 |
| Furniture | 00 545 | 0.50 | | | Non-Assignable | |
| Equipment | 80.517 | 3.50 | 1.06 | 1.78 | Custodial | |
| and arbitions | | | _ | | Circulation | |
| ub-Total 'C' | 80,517 | 3.50 | 1.06 | 1 70 | Mechanical | |
| | 20,011 | 0.00 | 1.00 | 1.78 | Rest Room | |
| otal Project Cost | 2,282,340 | 100.00 | 30.11 | 50.49 | Unassignable | |
| | -,, | 200.00 | 00.11 | 00.20 | | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BURTON AUDITORIUM YO016

USE CATEGORY TYPE: PHYSICAL EDUCATION ASSEMBLY

GSF: NASF/GSF:

NASF:

17,413 34,853

BUILDING TYPE: PROJECT TYPE:

NEW BUILDING

TENDER/ESTIMATE DATE:

05/64

UACP CODE: SUBMISSION DATE: 7 - 210/70 710

08/64 - 06/66CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | - |
| Site Develop. (Incl.) | | | | | Caradal Barraga | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | |
| Site Development | | | | | Laboratory | |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | 5.9 |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | T 21 | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | - | Physical Education | |
| Building Equipment | _ | _ | | | Physical Education | |
| Cash Allowance | | | | | C | |
| Built-in Equipment | 21,071 | 2.20 | .60 | 1.21 31.54 | Special Use Audio Visual | _ |
| Architectural | 549,273 | 57.60 | 15.76 | | Clinic | |
| Building Cost | 570,344 | 59.90 | 16.36 | 32.75 | Demonstration | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | 0 | |
| Heat. Vent. & Cond. | | | | | General Use | 94.1 |
| Mechanical | | | | | Assembly | |
| | | 01.00 | 0.00 | 17 20 | Exhibition | _ |
| Electrical | 302,896 | 31.80 | 8.69 | 17.39 2.01 | Food | |
| Fed. Sales Tax Rebate | 34,944 | 3.70 | 1.00 | 2.01 | Recreation | |
| Sub-Total 'A' | 838,296 | 88.00 | 24.05 | 48.14 | Supporting | |
| Sub-10tal A | 300,250 | 50.00 | | | Data Processing | _ |
| | | | | | Shops | - |
| Fees | 52,475 | 5.50 | 1.51 | 3.01 | Physical Plant | _ |
| Miscellaneous | 2,500 | .30 | .07 | .14 | A AA J WAACOO A AMOON | |
| Miscellaneous | 2,500 | .50 | .01 | *** | Central Utility | _ |
| Sub-Total 'B' | 54,975 | 5.80 | 1.58 | 3.16 | 001101111 | |
| Sub-Total B | 94,510 | 0.00 | 1.00 | 0.20 | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 56,359 | 5.90 | 1.62 | 3.24 | Non-Assignable | |
| Equipment | 3,151 | .30 | .09 | .18 | Custodial | |
| ~ derivations | -,-3- | | | | Circulation | |
| Sub-Total 'C' | 59,510 | 6.20 | 1.71 | 3,42 | Mechanical | |
| Sub John O | 00,020 | | | - | Rest Room | |
| Total Project Cost | 952,781 | 100.00 | 27.34 | 54.72 | Unassignable | |

PROJECT NAME: STEDMAN LECTURE HALL NO. 1 1966

PROJECT NUMBER: YO021 LECTURE HALL BUILDING TYPE: PROJECT TYPE:

NEW BUILDING

7 - 2UACP CODE: 10/70 SUBMISSION DATE:

USE CATEGORY TYPE:

CLASSROOM

100 610

22/SEP/71

NASF: GSF: NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

08/64 02/65 - 12/66NORMAL

16,773

32,954

.51

| Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Library | RY % OF TOTAL NASF AREA | USE CATEGORY | ACTUAL \$/NASF | ACTUAL \$/GSF | % OF TOTAL COST | ACTUAL COST | COST ELEMENT |
|--|----------------------------|---|-------------------|------------------|--------------------|----------------|-----------------------|
| Atter'ns & Renova'ns te Development te Development Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Int, Vert, Elements Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance 13,726 70 42 82 Built-in Equipment Architectural 516,329 27.50 15.67 30.78 Audio Clinic Demon Plumbing & Drains Heat, Vent, & Cond. echanical 191,960 10.20 5.83 11.44 Assemb Exhibit Electrical Plumbing & Drains Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ab-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Pr Special Purpor Researe Labora Labora Labora Labora Coffice 1.61 Library 1.62 1.62 1.63 1.62 1.63 1.63 1.63 1.63 1.63 1.63 1.63 1.63 | 74.9 | Classroom | | | | | |
| Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Library Libr | | | | | | | |
| Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment Cash Allowance Built-in Equipment Architectural Storey Elements Interior Finishes Building Equipment Storey Elements Building Equipment Architectural Storey Elements Built-in Equipment Storey Elements Built-in Equipment Architectural Storey Storey Built-in Equipment Architectural Storey Storey Built-in Equipment Built- | | | | | | | |
| Indirect & Gen'l Exp Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Library | | | | | | | ite Development |
| Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Multi-Storey Elements Multi-Storey Elements Library | | | | | | | Indirect & Gen'l Evn |
| Horizontal Elements Exterior Cladding Int. Vert. Elements Multi-Storey Elements Library Librar | | Dry Lab Wet Lab | | | | | |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment 8,271 .40 .25 .49 Physical Educ Cash Allowance 13,726 .70 .42 .82 Built-in Equipment — — — Special Use Architectural 516,329 27.50 15.67 30.78 Architectural 538,326 28.70 16.34 32.09 Clinic Plumbing & Drains Heat, Vent. & Cond. echanical 191,960 10.20 5.83 11.44 Assemble Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ab-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Pees 97,519 5.20 2.96 5.81 Physical Bib-Total 'B' 97,519 5.20 2.96 5.81 Furniture 74.094 3.90 2.25 4.42 Non-Assignable Equipment 133,200 7.10 4.04 7.94 Custod Circula ab-Total 'C' 207,294 11.00 6.29 12.36 Mechan | ret Lab | Wet Lab | | | | | |
| Int. Vert. Elements Multi-Storey Elements Interior Finishes Building Equipment | 1.6 | Office | | | | | |
| Interior Finishes Building Equipment 8,271 .40 .25 .49 Physical Educ Cash Allowance 13,726 .70 .42 .82 Built-in Equipment | 1.0 | O I I I C | | | | | |
| Interior Finishes Building Equipment 8,271 .40 .25 .49 Physical Educ Cash Allowance 13,726 .70 .42 .82 Built-in Equipment | | Library | | | | | Multi-Storey Elements |
| Cash Allowance Built-in Equipment Architectural Architectural Architectural Sicology Signature Special Use Audio of Sicology Audio of Sicology Sicology Special Use Audio of Sicology Sicology Special Use Audio of Sicology Special Use Audio of Sicology Special Use Special Use Audio of Sicology Special Use Audio of Sicology Special Use Audio of Sicology Special Use Special Use Audio of Sicology Special Use Special | | | | | | | Interior Finishes |
| Built-in Equipment Architectural 516,329 27.50 15.67 30.78 Audio Clinic Demon Plumbing & Drains Heat. Vent. & Cond. Iechanical 191,960 10.20 5.83 11.44 Assemble Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat Lib-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Process Miscellaneous 79,519 5.20 2.96 5.81 Physical Miscellaneous 79,519 5.20 2.96 5.81 Total NASF Furniture 74.094 3.90 2.25 4.42 Non-Assignable Equipment 133,200 7.10 4.04 7.94 Custod: Circular Ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | tion — | Physical Education | .49 | .25 | .40 | 8,271 | Building Equipment |
| Architectural 516,329 27.50 15.67 30.78 Audio cuilding Cost 538,326 28.70 16.34 32.09 Clinic Demon Plumbing & Drains Heat. Vent. & Cond. General Use Exhibit Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat Cub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Process 97,519 5.20 2.96 5.81 Physical Miscellaneous Central Utility Cent | | | .82 | .42 | .70 | 13,726 | |
| Demon | | Special Use | | | | | |
| Plumbing & Drains Heat. Vent. & Cond. [echanical 191,960 10.20 5.83 11.44 Assemble Exhibit Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Process 97,519 5.20 2.96 5.81 Physica Miscellaneous — — — — — — — — — — — — — — — — — — — | 7 isual 14.7 | Audio Visual | | | | | |
| Plumbing & Drains Heat. Vent. & Cond. [Sechanical 191,960 10.20 5.83 11.44 Assemble Exhibit Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Proceed Miscellaneous — — — — — — — — — — — — — — — — — — — | _ | | 32.09 | 16.34 | 28.70 | 538,326 | uilding Cost |
| Heat. Vent. & Cond. General Use | tration — | Demonstration | | | | | |
| Sechanical 191,960 10.20 5.83 11.44 Assemble Exhibit Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat 1.571,655 83.80 47.69 93.70 Supporting Data Process Shops Fees 97,519 5.20 2.96 5.81 Physical Miscellaneous Central Utility Central Utility Central Utility Total 'B' 97,519 5.20 2.96 5.81 Total NASF Furniture 74.094 3.90 2.25 4.42 Non-Assignable Equipment 133,200 7.10 4.04 7.94 Custod Circula | | | | | | | _ |
| Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Proceed Miscellaneous | | | | | | | |
| Electrical 906,348 48.30 27.50 54.04 Food Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Properties of the second s | | | 11.44 | 5.83 | 10.20 | 191,960 | iechanical |
| Fed. Sales Tax Rebate 64,979 3.50 1.97 3.87 Recreat ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Pr Shops Fees 97,519 5.20 2.96 5.81 Physica Miscellaneous — — — — — — — — — — — — — — — — — — — | | | | | 40.00 | 000 040 | Floatrical |
| ub-Total 'A' 1,571,655 83.80 47.69 93.70 Supporting Data Pr Shops Fees 97,519 5.20 2.96 5.81 Physica Central Utility ub-Total 'B' 97,519 5.20 2.96 5.81 Total NASF Furniture 74.094 3.90 Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | 0.2 | | | | | | |
| Data Property Shops Fees 97,519 5.20 2.96 5.81 Physica Miscellaneous — — — — — — — — — — — — — — — — — — — | ion — | Recreation | 3.87 | 1.97 | 8.50 | 04,979 | red. Sales Tax Repate |
| Data Property Shops Fees 97,519 5.20 2.96 5.81 Physica Miscellaneous Central Utility ub-Total 'B' 97,519 5.20 2.96 5.81 Furniture 74.094 3.90 2.25 4.42 Non-Assignable Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | | Supporting | 93.70 | 47.69 | 83.80 | 1.571.655 | ub-Total 'A' |
| Fees 97,519 5.20 2.96 5.81 Physica Miscellaneous — — — — — — — — — — — — — — — — — — — | ocessing | Data Processing | | | | _,, | |
| Miscellaneous — — — — — — — — — — — — — — — — — — — | _ | Shops | | | | | |
| Labert Central Utility Labert Central Utility Labert Central Utility Total NASF Furniture Furniture Funiture Funiture Funiture 133,200 7.10 4.04 7.94 Custod: Circula Labert C' 207,294 11.00 6.29 12.36 Central Utility Total NASF And | Plant | Physical Plant | 5.81 | 2.96 | 5.20 | 97,519 | Fees |
| Detail of the content of the conte | | | | _ | _ | <u> </u> | Miscellaneous |
| Total NASF Furniture 74.094 3.90 2.25 4.42 Non-Assignabl Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | _ | Central Utility | | | | | |
| Furniture 74.094 3.90 2.25 4.42 Non-Assignable Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | | | 5.81 | 2.96 | 5.20 | 97,519 | ub-Total 'B' |
| Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | 100.0 | Total NASF | | | | | |
| Equipment 133,200 7.10 4.04 7.94 Custod: Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | | Non-Assignable | 4 49 | 9 95 | 3 90 | 74.094 | Furniture |
| Circula ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | | Custodial | | | | | |
| ub-Total 'C' 207,294 11.00 6.29 12.36 Mechan | | Circulation | 1.0% | 1.01 | 1120 | 200,200 | |
| | | Mechanical | 12.36 | 6.29 | 11.00 | 207.294 | ub-Total 'C' |
| | | Rest Room | 12.00 | 0.20 | 22.00 | , | |
| otal Project Cost 1876 468 100 00 56 94 111 87 Unassignable | | Ilnassignable | 111 00 | EC 04 | 100.00 | 1 976 469 | otal Project Cost |
| Otal Project Cost 1,876,468 100.00 56.94 111.87 Unassignable | | U II W SSI GII W II W II W II W II W II W | 111.87 | 56.94 | 100.00 | 1,575,458 | 20,000 0030 |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UACP CODE:

LECTURE HALL UNIT NO. 2

YO042 LECTURE HALL

NEW BUILDING 7 - 1SUBMISSION DATE: 10/70

USE CATEGORY TYPE:

CLASSROOM

100

NASF: GSF: NASF/GSF:

112,582

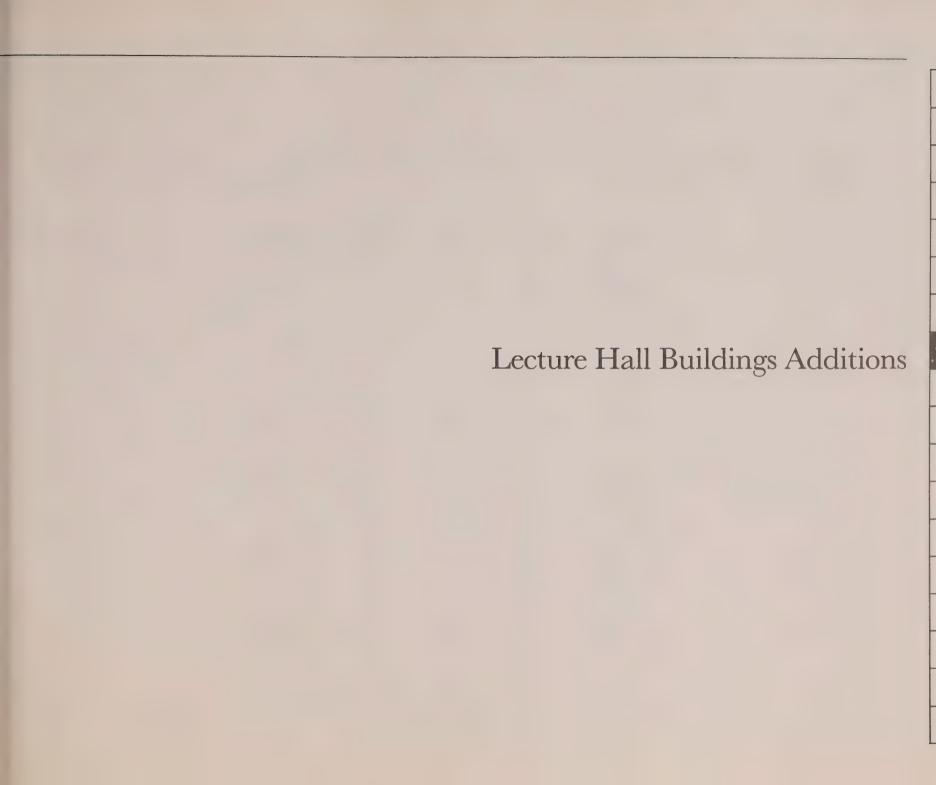
48,247

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

12/68 01/69 - 03/71

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 97.5 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | - |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 2.5 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | _ | _ | _ | _ | Physical Education | _ |
| Cash Allowance | 49,000 | 1.20 | .44 | 1.02 | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural Building Cost | 2,120,007 | 50.00 51.20 | 18.83 19.27 | 43.94 44.96 | Audio Visual Clinic | _ |
| building Cost | 2,169,007 | 51,20 | 19.27 | 44.90 | Demonstration | _ |
| Plumbing & Drains | | | | | D01210113011412012 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 658,300 | 15.50 | 5.85 | 13.64 | Assembly | **** |
| Electrical | 004 150 | 5,30 | 1.99 | 4.65 | Exhibition Food | _ |
| Fed. Sales Tax Rebate | 224,158 | 5.30 | 1.99 | 4.00 | Recreation | |
| | | | | | | |
| Sub-Total 'A' | 3,051,465 | 72.00 | 27.10 | 63.25 | Supporting | |
| | | | | | Data Processing Shops | _ |
| Fees | 189,645 | 4.50 | 1.68 | 3.93 | Physical Plant | - |
| Miscellaneous | 132,530 | 3.10 | 1.18 | 2.75 | 2 22 5 20 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 322,175 | 7.60 | 2.86 | 6.68 | M-4-1 NY A C 37 | 4000 |
| | | | | | Total NASF | 100.0 |
| Furniture | 296,000 | 7.00 | 2.63 | 6.14 | Non-Assignable | |
| Equipment | 570,000 | 13.40 | 5.06 | 11.81 | Custodial | |
| 71. m-4.1 (C) | | | * | | Circulation | |
| Sub-Total 'C' | 866,000 | 20.40 | 7.69 | 17.95 | Mechan i cal Rest Room | |
| | | | | | Rest Room | |
| Total Project Cost | 4,239,640 | 100.00 | 37.66 | 87.87 | Unassignable | |



PROJECT NAME:

SOUTHAM HALL ADDITION 1965

PROJECT NUMBER: CA011

BUILDING TYPE: LECTURE HALL

PROJECT TYPE: UACP CODE:

ADDITION 7-2SUBMISSION DATE: 11/68

USE CATEGORY TYPE:

NASF:

14,208 22,432

.63

GSF: NASF/GSF:

TENDER/ESTIMATE DATE: 05/65

| CONSTRUCTION TIME: MARKET CONDITION: | 08/66 - 10/67 NORMAL |
|---|-------------------------|
| | |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | _ | Classroom | 100.0 |
| Site Develop. (Incl.) | 2,530 | .50 | .11 | .18 | | |
| Alter'ns & Renova'ns | 2,100 | .40 | .09 | .15 | Special Purpose | |
| lite Development | 4,630 | .80 | .21 | .33 | Research | _ |
| | 2,000 | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| | | | | | 0.55" | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 6,500 | 1.20 | .29 | .46 | | |
| Built-in Equipment | _ | _ | - | - | Special Use | |
| Architectural | 330,114 | 59.20 | 14.72 | 23.23 | Audio Visual | _ |
| Building Cost | 336,614 | 60.40 | 15.01 | 23.69 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 105,079 | 18.90 | 4.68 | 7.40 | Assembly | |
| Mechanical | 103,075 | 16.50 | 7.00 | 1.70 | | |
| | 00.000 | 7.10 | 1.77 | 2.79 | Exhibition | |
| Electrical | 39,672 | 7.10 | | | Food | |
| Fed. Sales Tax Rebate | 20,109 | 3.60 | .90 | 1.42 | Recreation | _ |
| Sub-Total 'A' | 465,886 | 83.60 | 20.77 | 32.79 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 29,766 | 5.30 | 1.33 | 2.10 | Physical Plant | _ |
| Miscellaneous | 4,237 | .80 | .19 | .30 | | |
| | 2,20. | | | | Central Utility | _ |
| Sub-Total 'B' | 34,003 | 6.10 | 1.52 | 2.39 | Central Culity | |
| Sub-Total B | 34,003 | 0.10 | 1.02 | 2000 | 70 - 4 - 1 NT A CUO | 400.00 |
| | | | | | Total NASF | 100.0% |
| Furniture | 17,458 | 3.10 | .78 | 1.23 | Non-Assignable | |
| | 40,000 | 7.20 | 1.78 | 2.82 | | |
| Equipment | 40,000 | 1.20 | 1.70 | 4.04 | Custodial | |
| 3 m + 1 (3) | E77 4E0 | 10.20 | | 4.04 | Circulation | |
| Sub-Total 'C' | 57,458 | 10.30 | 2.56 | 4.04 | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 557,347 | 100.00 | 24.85 | 39.23 | Unassignable | |
| | , | | | 00.00 | | |

PROJECT NAME:

CENTRAL PLAZA 67

PROJECT NUMBER: YO035 BUILDING TYPE:

LECTURE HALL

PROJECT TYPE: ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 11/67 USE CATEGORY TYPE:

NASF:

62,275

GSF: NASF/GSF: 127,650 .49

TENDER/ESTIMATE DATE: 11/67 CONSTRUCTION TIME: 12/67 - 09/69

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | AMANA |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns Site Development | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Office | - |
| Multi-Storey Elements | | | | | ¥ 14 | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Dharainal Education | |
| Cash Allowance | | | | | Physical Education | - |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| Building Cost | | | | | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | |
| | | | | | Exhibition | <u> </u> |
| Electrical | _ | _ | | | Food | _ |
| Fed. Sales Tax Rebate | 141,100 | 3.30 | 1.11 | 2.27 | Recreation | - |
| Sub-Total 'A' | 3,528,000 | 96.70 | 32.48 | 66.58 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 211,700 | 4.90 | 1.66 | 3.40 | Physical Plant | |
| Miscellaneous | 105,900 | 2.50 | .83 | 1.70 | • | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 317,600 | 7.40 | 2.49 | 5.10 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 344,000 | 8.00 | 2.69 | 5.52 | Non-Assignable | |
| Equipment | 98,000 | 2.30 | .77 | 1.57 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 442,000 | 10.30 | 3.46 | 7.10 | Mechanical | |
| | | | | | Rest Room | |
| Otal Project Cost | 4,146,500 | 100.00 | 33.59 | 68.85 | Unassignable | |

Lecture Hall Buildings Alterations

PROJECT NAME:

THISTLE COMPLEX ELEVATOR INSTALLATION

PROJECT NUMBER: BR027

BUILDING TYPE:

LECTURE HALL

PROJECT TYPE: UACP CODE:

ALTERATION

7-1 SUBMISSION DATE: 02/71 NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 02/71 CONSTRUCTION TIME:

MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | 0. 110 | |
| Alter'ns & Renova'ns ite Development | | | | | Special Purpose | |
| tte Development | | | | | Research Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | attending. |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Bab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 100 | .20 | - | _ | | |
| Built-in Equipment | | | _ | | Special Use | |
| Architectural | 53,244 | 84.30 | _ | _ | Audio Visual | _ |
| Building Cost | 53,344 | 84.50 | | | Clinic | |
| Plumbing & Drains | | | | | Demonstration | - |
| Heat, Vent. & Cond. | | | | | General Use | |
| fechanical | 611 | 1.00 | | _ | Assembly | |
| rechanical | 011 | 1.00 | | | Exhibition | |
| Electrical | 1,925 | 3.00 | _ | _ | Food | |
| Fed. Sales Tax Rebate | | | _ | _ | Recreation | |
| | | | | | | |
| Sub-Total 'A' | 55,880 | 88.50 | _ | | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 5,588 | 8.80 | _ | _ | Physical Plant | |
| Miscellaneous | 1,676 | 2.70 | _ | anaka | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 7,264 | 11.50 | _ | | | |
| | | | | | Total NASF | 0.0% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 63,144 | 100.00 | | _ | Unassignable | |
| 220,300 0000 | 00,111 | 100,00 | | | C managements | |
| | | | | | | |

USE CATEGORY TYPE:



WA 17 / Mathematics & Computer Building — 1965

Webb Zerafa Menkes Housden, Archite

Library Buildings

It will be noted that there is no percentage space breakdown for the following projects:

LA -01

WA 02

These projects were begun before the Department of University Affairs was in existence—consequently, a facility analysis detail—or space breakdown do not exist for them as projects. It is a fact that the OUPRS provides a space use categorization for the building but it is not possible to interface, with accuracy, the building as it exists in 1969 with the project as it existed prior to 1964—consequently, no space percentage breakdown is provided.



TR 12 / Library - 1966

R. J. Thom, Architec

PROJECT NAME: LIBRARY-65 BROCK TOWER

PROJECT NUMBER: BR001 BUILDING TYPE: LIBRARY

PROJECT TYPE: NEW BUILDING

UACP CODE: 7 - 2SUBMISSION DATE: 07/69 22/SEP/71

NASF:

114,214 200,540

GSF: NASF/GSF:

.57

TENDER/ESTIMATE DATE: 05/65 CONSTRUCTION TIME:

06/65 - 08/67

BUSY

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | · · | - | _ | Classroom | 13.5 |
| Site Develop. (Incl.) | 6,000 | .10 | .03 | .05 | | |
| Alter'ns & Renova'ns | | | _ | _ | Special Purpose | |
| ite Development | 6,000 | .10 | .03 | .05 | Research | - |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | 29.5 |
| Exterior Cladding | | | | | Office | 20.0 |
| Int. Vert. Elements Multi-Storey Elements | | | | | Library | 36.4 |
| Interior Finishes | | | | | ZIO LULY | |
| Building Equipment | 78,000 | 1.40 | .39 | .68 | Physical Education | anteres |
| Cash Allowance | 108,000 | 1,90 | .54 | .95 | | |
| Built-in Equipment | _ | _ | _ | _ | Special Use | |
| Architectural | 3,043,548 | 53.50 | 15.18 | 26.65 | Audio Visual | _ |
| uilding Cost | 3,229,548 | 56.70 | 16.10 | 28.28 | Clinic | - |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | 4.0 |
| echanical | 980,308 | 17.20 | 4.89 | 8.58 | Assembly | 1.6 |
| | | | | | Exhibition | |
| Electrical | 375,432 | 6.60 | 1.87 | 3.29 | Food | 7.2 2.7 |
| Fed. Sales Tax Rebate | 137,739 | 2.40 | .69 | 1.21 | Recreation | 2.1 |
| ub-Total 'A' | 4,453,549 | 78.20 | 22.21 | 38.99 | Supporting | |
| ub-Total A | *,*00,0*0 | 10.20 | | 00100 | Data Processing | 4.4 |
| | | | | | Shops | _ |
| Fees | 289,481 | 5.10 | 1.44 | 2.53 | Physical Plant | 2.2 |
| Miscellaneous | | _ | **** | _ | | |
| 171100000000000000000000000000000000000 | | | | | Central Utility | - |
| ub-Total 'B' | 289,481 | 5.10 | 1.44 | 2. 53 | | |
| | | | | | Total NASF | 100.0 |
| - · | 650,000 | 11.40 | 3.24 | 5.69 | Non-Assignable | |
| Furniture | 300,000 | 5.30 | 1.50 | 2.63 | Custodial | |
| Equipment | 300,000 | 0.00 | 1.00 | 2.00 | Circulation | |
| Total (C) | 950,000 | 16.70 | 4.74 | 8.32 | Mechanical | |
| ub-Total 'C' | 330,000 | 10.70 | 2.1.2 | 0.02 | Rest Room | |
| | | | | | | |
| otal Project Cost | 5,693,030 | 100.00 | 28.39 | 49.85 | Unassignable | |

USE CATEGORY TYPE:

LIBRARY

400 300

PROJECT NAME: NEW LIBRARY - 66

PROJECT NUMBER: GU006 BUILDING TYPE: LIBRARY

NEW BUILDING

PROJECT TYPE: UACP CODE:

7 - 2SUBMISSION DATE: 04/70

USE CATEGORY TYPE:

LIBRARY

400

22/SEP/71

NASF:

GSF: NASF/GSF: 155,211 267,697 .58

TENDER/ESTIMATE DATE: 08/66

CONSTRUCTION TIME: MARKET CONDITION:

09/66 - 07/68NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|----------------------|
| Site Develop. (Excl.) | 17,227 | .20 | .06 | .11 | Classroom | |
| Site Develop. (Incl.) | 137,643 | 1.70 | .51 | .89 | | |
| Alter'ns & Renova'ns | - | _ | | | Special Purpose | |
| ite Development | 154,870 | 1.90 | .58 | 1.00 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int, Vert, Elements | | | | | Office | 15.9 |
| Multi-Storey Elements | | | | | Library | 0.1 F |
| Interior Finishes | | | | | Library | 81.5 |
| Building Equipment | 230,437 | 2.80 | .86 | 1.48 | Physical Education | - Charles |
| Cash Allowance | 72,865 | .90 | .27 | .47 | i nysicai Education | ©Audi |
| Built-in Equipment | 765 | | | | Special Use | |
| Architectural | 3,951,888 | 47.50 | 14.76 | 25.46 | Audio Visual | 0.8 |
| building Cost | 4,255,955 | 51.20 | 15.90 | 27.42 | Clinic | |
| | | | | | Demonstration | **** |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 1,595,275 | 19.20 | 5.96 | 10.28 | Assembly | _ |
| 773 m 14 17 13 | | | | | Exhibition | enan. |
| Electrical | 713,584 | 8.60 | 2.67 | 4.60 | Food | 0.6 |
| Fed. Sales Tax Rebate | 294,908 | 3.50 | 1.10 | 1.90 | Recreation | 0.3 |
| ub-Total 'A' | 6,424,776 | 77.20 | 24.00 | 41.39 | Supporting | |
| | | | | -= | Data Processing | 0.8 |
| | | | | | Shops | - |
| Fees | 497,630 | 6.00 | 1.86 | 3.21 | Physical Plant | _ |
| Miscellaneous | 108,525 | 1.30 | .41 | .70 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 606,155 | 7.30 | 2.26 | 3.91 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 1,223,717 | 14.70 | 4.57 | 7.88 | Non-Assignable | |
| Equipment | 65,310 | .80 | .24 | .42 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 1,289,027 | 15.50 | 4.82 | 8.30 | Mechanical | |
| | | | | 0.00 | Rest Room | |
| otal Project Cost | 8,319,958 | 100.00 | 21.00 | F 0 00 | *** | |
| 0.000 | 0,019,008 | 100.00 | 31.08 | 53.60 | Unassignable | |

PROJECT NAME: LIBRARY — 65 PROJECT NUMBER: LA001

BUILDING TYPE: LIBRARY PROJECT TYPE: NEW BUILDING

UACP CODE: 7—2 SUBMISSION DATE: 06/68 22/SEP/71

NASF: GSF: NASF/GSF: 55,900 99,171 .56

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/63 05/63 — 12/64

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 192,768 | 6.20 | 1.94 | 3.45 | Classroom | |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | _ | | | | Special Purpose | |
| Site Development | 192,768 | 6.20 | 1.94 | 3.45 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | |
| Building Equipment | | | | | | |
| Cash Allowance | 146,051 | 4.70 | 1.47 | 2.61 | Physical Education | |
| Built-in Equipment | 146,031 | 4.70 | 1.47 | | 0 | |
| Architectural | _ | _ | | | Special Use | |
| uilding Cost | 2,621,192 | 83.70 | 26.43 | 46.89 | Audio Visual | |
| unung cost | 2,021,132 | 00.10 | 20.40 | 40.03 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | | | | | Assembly | |
| | | | | | Exhibition | |
| Electrical | _ | _ | _ | <u> </u> | Food | |
| Fed. Sales Tax Rebate | 114,568 | 3.70 | 1.16 | 2.05 | Recreation | |
| 1 14. 04.00 24.1 1400440 | , | | | 2.00 | Recleation | |
| ub-Total 'A' | 2,699,392 | 86.20 | 27.22 | 48.29 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 165,256 | 5.30 | 1.67 | 2.96 | Physical Plant | |
| Miscellaneous | 8,980 | .30 | .09 | .16 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 174,236 | 5.60 | 1.76 | 3.12 | | |
| | | | | | Total NASF | |
| Furniture | 207,113 | 6.60 | 2.09 | 3.71 | Non-Assignable | |
| Equipment | 52,072 | 1.70 | .53 | .93 | Custodial | |
| De de la company | 02,012 | 2.10 | .00 | .50 | Circulation | |
| ub-Total 'C' | 259,185 | 8.30 | 2.61 | 4.64 | Mechanical | |
| | 200,200 | 0.00 | 2,01 | 2.01 | Rest Room | |
| | | | | | | |
| otal Project Cost | 3,132,813 | 100.00 | 31.59 | 56.04 | Unassignable | |

USE CATEGORY TYPE:

LIBRARY

400

PROJECT NAME: LIBRARY TOWER BUILDING 1966

PROJECT NUMBER: LA006
BUILDING TYPE: LIBRARY
PROJECT TYPE: NEW BUILDING

UACP CODE: 7—1

SUBMISSION DATE: 06/68

 USE CATEGORY TYPE:
 GSF:
 77,882

 LIBRARY
 NASF/GSF:
 .65

 TENDER/ESTIMATE DATE:
 01/67

400 300 CONSTRUCTION TIME: 03/67 - 12/68

22/SEP/71

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 8.2 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns Site Development | | | | | Special Purpose | |
| Site Development | | | | | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 36.9 |
| Int. Vert. Elements | | | | | O.IIICC | |
| Multi-Storey Elements | | | | | Library | 53.2 |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 26,000 | 1.00 | .33 | .51 | | |
| Built-in Equipment | _ | | mates. | water | Special Use | |
| Architectural | | | | | Audio Visual | ~ |
| Building Cost | 2,366,500 | 89.40 | 30.39 | 46.41 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | - | _ | | | Food | |
| Fed. Sales Tax Rebate | 95,120 | 3.60 | 1.22 | 1.87 | Recreation | - |
| Sub-Total 'A' | 2,271,380 | 85.80 | 29.16 | 44.55 | Supporting | |
| | | | | | Data Processing | 1.7 |
| | | | | | Shops | |
| Fees | 179,907 | 6.80 | 2.31 | 3.53 | Physical Plant | |
| Miscellaneous | 45,613 | 1.70 | .59 | .89 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 225,520 | 8.50 | 2.90 | 4.42 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 150,000 | 5.70 | 1.93 | 2.94 | Non-Assignable | |
| Equipment | _ | | _ | _ | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | 150,000 | 5.70 | 1.93 | 2.94 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | 1000 1000111 | |
| Total Project Cost | 2,646,900 | 100.00 | 33.99 | 51.91 | Unassignable | |

PROJECT NAME: CENTRAL LIBRARY 1967

PROJECT NUMBER: OT013 BUILDING TYPE: LIBRARY PROJECT TYPE:

NEW BUILDING

UACP CODE: SUBMISSION DATE: 05/70

USE CATEGORY TYPE:

LIBRARY

400

22/SEP/71

NASF: GSF: NASF/GSF: 174,342 269,572 .65

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

04/70 05/70-08/71

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 115,000 | 1.20 | .43 | .66 | Classroom | 0.5 |
| Site Develop, (Incl.) Alter'ns & Renova'ns | 140,680 | 1.40 | .52 | .81 | | |
| ite Development | 255,680 | 2,60 | | _ | Special Purpose | |
| ite Development | 200,080 | 2.60 | .95 | 1.47 | Research | 0.3 |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 11.5 |
| Int. Vert. Elements | | | | | Office | 11.5 |
| Multi-Storey Elements | | | | | Library | 75.2 |
| Interior Finishes | | | | | | . 0.2 |
| Building Equipment | 74,085 | .80 | .27 | .42 | Physical Education | |
| Cash Allowance | 551,000 | 5.70 | 2.04 | 3.16 | | |
| Built-in Equipment | 1,900 | 40.40 | .01 | .01 | Special Use | |
| Architectural | 4,094,885 | 42.10 | 15.19 | 23.49 | Audio Visual | 0.5 |
| Building Cost | 4,721,870 | 48.50 | 17.52 | 27.08 | Clinic | - |
| Discorbing 0 Desire | | | | | Demonstration | |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | | |
| Mechanical | 1,009,000 | 10.40 | 3.74 | E 80 | General Use | |
| rechanicar | 1,009,000 | 10.40 | 3.74 | 5.79 | Assembly | _ |
| Electrical | 856,450 | 8.80 | 3.18 | 4 .91 | Exhibition | _ |
| Fed. Sales Tax Rebate | 283,650 | 2.90 | 1.05 | 1.63 | Food | _ |
| I ou. outes fur iterate | 200,000 | 2.00 | 1.00 | 1,00 | Recreation | 0.9 |
| Sub-Total 'A' | 6,559,350 | 67.40 | 24.33 | 37.62 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | 11.1 |
| Fees | 501,900 | 5.20 | 1.86 | 2.88 | Physical Plant | _ |
| Miscellaneous | 154,000 | 1.60 | .57 | .88 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 655,900 | 6.70 | 2.43 | 3.76 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 1,000,000 | 10.30 | 3.71 | 5.74 | Non-Assignable | |
| Equipment | 1,512,000 | 15.50 | 5.61 | 8.67 | Custodial | |
| | 0 × 1 0 0 | | | | Circulation | |
| Sub-Total 'C' | 2,512,000 | 25.80 | 9.32 | 14.41 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 9,727,250 | 100.00 | 36.08 | 55.79 | Unassignable | |

22/SEP/71

PROJECT NAME: HUMANITIES AND SOCIAL SCIENCE LIBRARY

PROJECT NUMBER: TO026

BUILDING TYPE: LIBRARY

USE CATEGORY TYPE:

LIBRARY

NASF: GSF: NASF/GSF:

682,605 1,035,928

PROJECT TYPE:

SUBMISSION DATE: 10/68

NEW BUILDING

TENDER/ESTIMATE DATE: 09/68

UACP CODE:

7-1

400

12/68 - 12/72CONSTRUCTION TIME: MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 112,000 | .30 | .11 | .16 | Classroom | 1.5 |
| Site Develop, (Incl.) | 200,000 | .50 | .19 | .29 | | |
| Alter'ns & Renova'ns | | _ | | _ | Special Purpose | |
| Site Development | 312,000 | .70 | .30 | .46 | Research | _ |
| | | | | | Laboratory | 0.4 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 7.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 86.5 |
| Interior Finishes | | | | | | |
| Building Equipment | 175,047 | .40 | .17 | .26 | Physical Education | _ |
| Cash Allowance | 1,710,000 | 4.10 | 1.65 | 2.51 | | |
| Built-in Equipment | 38,515 | .10 | .04 | .06 | Special Use | |
| Architectural | 22,904,751 | 54.50 | 22.11 | 33.55 | Audio Visual | 0.6 |
| Building Cost | 24,828,313 | 59.10 | 23.97 | 36.37 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 6,331,660 | 15.10 | 6.11 | 9.28 | Assembly | _ |
| | | | | | Exhibition | 0.1 |
| Electrical | 3,878,412 | 9.20 | 3.74 | 5.68 | Food | 1.9 |
| Fed. Sales Tax Rebate | 1,409,535 | 3.40 | 1.36 | 2.06 | Recreation | 1.3 |
| 2 04: 04:05 24: 200 | | | | | | |
| Sub-Total 'A' | 33,940,850 | 80.80 | 32.76 | 49.72 | Supporting | |
| | | | | | Data Processing | 0.6 |
| | | | | | Shops | _ |
| Fees | 3,745,057 | 8.90 | 3.62 | 5.49 | Physical Plant | _ |
| Miscellaneous | 635,640 | 1.50 | .61 | .93 | | |
| man and a second | | | | | Central Utility | _ |
| Sub-Total 'B' | 4,380,697 | 10.40 | 4.23 | 6.42 | | |
| Jub-10val B | · · | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 2,631,000 | 6.30 | 2.54 | 3.85 | Non-Assignable | |
| Equipment | 1,043,952 | 2.50 | 1.01 | 1.53 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 3,674,952 | 8.80 | 3.55 | 5.38 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 41,996,499 | 100.00 | 40.54 | 61.52 | Unassignable | |

22/SEP/71

PROJECT NAME: LIBRARY & LECTURE THEATRE BLOCK

PROJECT NUMBER: ER013

SUBMISSION DATE: 06/71

UACP CODE:

BUILDING TYPE: LIBRARY

PROJECT TYPE: NEW BUILDING 7-1

USE CATEGORY TYPE:

LIBRARY OFFICE 400 300

NASF: GSF: NASF/GSF: 180,000 297,000 .61

TENDER/ESTIMATE DATE:

06/71

CONSTRUCTION TIME: MARKET CONDITION:

08/71 - 08/73SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | | Classroom | 11.6 |
| Site Develop. (Incl.) | 10,000 | .10 | .03 | .06 | | |
| Alter'ns & Renova'ns | _ | _ | _ | _ | Special Purpose | |
| ite Development | 10,000 | .10 | .03 | .06 | Research | - |
| | | | | | Laboratory | 7.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 19.4 |
| Exterior Cladding | | | | | Office | 19.4 |
| Int. Vert. Elements | | | | | | 23.3 |
| Multi-Storey Elements | | | | | Library | 20.0 |
| Interior Finishes | 215,000 | 2.40 | .72 | 1.19 | | 12.3 |
| Building Equipment | 168,000 | 1.80 | .57 | .93 | Physical Education | 12.0 |
| Cash Allowance | 38,000 | .40 | .13 | .21 | 0 - 1 1 77 - | |
| Built-in Equipment Architectural | 4,496,484 | 49.30 | 15.14 | 24.98 | Special Use Audio Visual | _ |
| Suilding Cost | 4,917,484 | 54.00 | 16.56 | 27.32 | Clinic | 0.7 |
| unding Cost | 1,011,101 | 0 2.00 | 20,00 | 21,102 | Demonstration | <u> </u> |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| fechanical | 2,026,000 | 22.20 | 6.82 | 11.26 | Assembly | 4.8 |
| recitation | | | | | Exhibition | _ |
| Electrical | 703,900 | 7.70 | 2.37 | 3.91 | Food | 10.2 |
| Fed. Sales Tax Rebate | 229,722 | 2.50 | .77 | 1.28 | Recreation | 6.4 |
| | | | | | | |
| ub-Total 'A' | 7,427,662 | 81.50 | 25.01 | 41.26 | Supporting | |
| | | | | | Data Processing | 1,1 |
| | | | | | Shops | |
| Fees | 740,380 | 8.10 | 2.49 | 4.11 | Physical Plant | 2.9 |
| Miscellaneous | _ | _ | _ | _ | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 740,380 | 8.10 | 2.49 | 4.11 | | |
| | | | | | Total NASF | 100.0 |
| m | | | 0.05 | 4.50 | NY ACon1-1- | |
| Furniture | 846,740 | 9.30 | 2.85 | 4.70 | Non-Assignable Custodial | |
| Equipment | 100,000 | 1.10 | .34 | .56 | | |
| hab Madal (C) | 0.40 5.40 | 10.40 | 2.10 | 5.26 | Circulation Mechanical | |
| ub-Total 'C' | 946,740 | 10.40 | 3.19 | 5.20 | Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 9,114,782 | 100.00 | 30.69 | 50.64 | Unassignable | |
| oval Project Cost | 3,114,102 | 100.00 | 30.03 | 00.02 | O ********** | |

22/SEP/71

PROJECT NAME: LIBRARY & UNIVERSITY COURT 1966

PROJECT NUMBER: TR012

BUILDING TYPE: LIBRARY

NEW BUILDING

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 02/70

7-2

USE CATEGORY TYPE:

OFFICE

300

NASF: GSF:

98,189 139,786 .70

NASF/GSF: TENDER/ESTIMATE DATE: 07/67

CONSTRUCTION TIME:

07/67 - 02/69

| CONSTRUCTION INNE. | , |
|--------------------|------|
| MARKET CONDITION: | BUSY |

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 20,000 | .40 | .14 | .20 | Classroom | 0.3 |
| Site Develop. (Incl.) | 88,180 | 1.90 | .63 | .90 | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | 108,180 | 2.30 | .77 | 1.10 | Research | 2.5 |
| | | | | | Laboratory | 2,5 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 7.4 |
| Int. Vert. Elements | | | | | Office | *** |
| Multi-Storey Elements | | | | | Library | 76.7 |
| Interior Finishes | | | | | Dividity | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | 36,348 | .80 | .26 | .37 | · | |
| Built-in Equipment | | | - | _ | Special Use | |
| Architectural | 2,355,713 | 51.10 | 16.85 | 23.99 | Audio Visual | 3.5 |
| Building Cost | 2,392,061 | 51.90 | 17.11 | 24.36 | Clinic | 0.1 |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | M10.00F | 1 00 | P 4 P | m 00 | General Use | 1.2 |
| (lechanical | 719,225 | 15.60 | 5.15 | 7.32 | Assembly | |
| m | 398,076 | 8.60 | 2.85 | 4.05 | Exhibition | 0.1 |
| Electrical Fed. Sales Tax Rebate | 107,926 | 2.30 | .77 | 1.10 | Food Recreation | 1.7 |
| red. Sales Tax Rebate | 101,020 | 2.00 | • * * * | 1.10 | Recreation | |
| ub-Total 'A' | 3,509,616 | 76.10 | 25.11 | 35.74 | Supporting | |
| NO 20001 12 | 0,005,010 | 10.10 | 20.11 | 00.12 | Data Processing | _ |
| | | | | | Shops | |
| Fees | 213,793 | 4.60 | 1.53 | 2.18 | Physical Plant | 6.4 |
| Miscellaneous | 451,719 | 9.80 | 3.23 | 4.60 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 665,512 | 14.40 | 4.76 | 6.78 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 292.397 | 6.30 | 2.09 | 2.98 | Non-Assignable | |
| Equipment | 145,975 | 3.20 | 1.04 | 1.49 | Custodial | |
| | 223,370 | | | | Circulation | |
| Sub-Total 'C' | 438,372 | 9.50 | 3.14 | 4.46 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 4,613,500 | 100.00 | 33.00 | 46.99 | Unassignable | |

PROJECT NAME: ARTS LIBRARY STAGE 1 1965

PROJECT NUMBER: WA002 BUILDING TYPE: LIBRARY PROJECT TYPE:

NEW BUILDING UACP CODE: 7-2 SUBMISSION DATE: 06/68

USE CATEGORY TYPE: LIBRARY

400

22/SEP/71

NASF: GSF:

NASF/GSF:

56,090 75,750 TENDER/ESTIMATE DATE: 10/63

.74

11/63 - 01/66CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|-----------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | - | _ | _ | _ | Classroom | |
| Site Develop. (Incl.) | 10,626 | .40 | .14 | .19 | | |
| Alter'ns & Renova'ns | | | | _ | Special Purpose | |
| Site Development | 10,626 | .40 | .14 | .19 | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | **C0 <u>D</u> ab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 3,581 | .10 | .05 | .06 | Physical Education | |
| Cash Allowance | | _ _ | _ | _ | O | |
| Built-in Equipment Architectural | 994,400 | 40.40 | 13.13 | 17.73 | Special Use Audio Visual | |
| Building Cost | 997,981 | 40.50 | 13.17 | 17.79 | Clinic | |
| Building Cost | 221,222 | 20.00 | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 294,481 | 12.00 | 3.89 | 5.25 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 253,441 | 10.30 | 3.35 | 4.52 | Food | |
| Fed. Sales Tax Rebate | 46,162 | 1.90 | .61 | .82 | Recreation | |
| Sub-Total 'A' | 1,510,367 | 61.30 | 19.94 | 26.93 | Supporting | |
| 2002 | _,, | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 95,345 | 3.90 | 1.26 | 1.70 | Physical Plant | |
| Miscellaneous | 25,503 | 1.00 | .34 | .45 | | |
| | | | | 0.45 | Central Utility | |
| Sub-Total 'B' | 120,848 | 4.90 | 1.60 | 2.15 | m / 127407 | |
| | | | | | Total NASF | |
| Furniture | 126,000 | 5.10 | 1.66 | 2.25 | Non-Assignable | |
| Equipment | 705,000 | 28.60 | 9.31 | 12.57 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 831,000 | 33.80 | 10.97 | 14.82 | Mechanical | |
| | 002,000 | 00.00 | 20.0 | 2 210 2 | Rest Room | |
| Total Project Cost | 0.400.517 | 100.00 | 00 50 | 40.00 | Unassignable | |
| Total Project Cost | 2,462,215 | 100.00 | 32.50 | 43.90 | O Habbilatian to | |

22/SEP/71

PROJECT NAME:

NEW MAIN LIBRARY 66

PROJECT NUMBER: WE020 LIBRARY BUILDING TYPE: NEW BUILDING

PROJECT TYPE: 7 - 1UACP CODE: SUBMISSION DATE: 09/68 USE CATEGORY TYPE: LIBRARY

400

NASF: GSF: NASF/GSF:

MARKET CONDITION:

156,015 237,093 .66

09/68 TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

10/68 - 10/70

NORMAL

| Site Develop. (Excl.) Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
|--|-----------|--------|-------|-------|-----------------------|-------|
| | | | | | Classroom | _ |
| Alter'ns & Renova'ns | | | | | 0 110 | |
| | | | | | Special Purpose | _ |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | 1.8 |
| Exterior Cladding | | | | | Office | 2.0 |
| Int. Vert. Elements | | | | | Library | 98.2 |
| Multi-Storey Elements | | | | | Digialy | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment Cash Allowance | | | | | 1 12 Julius Danierova | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | | | | | Clinic | - |
| unding Cost | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,134,000 | 15.60 | 4.78 | 7.27 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 588,900 | 8.10 | 2.48 | 3.77 | Food | _ |
| Fed. Sales Tax Rebate | _ | _ | _ | | Recreation | _ |
| sub-Total 'A' | 5,974,713 | 82.70 | 25.20 | 38.30 | Supporting | |
| ub-10tal A | 0,014,110 | 02.10 | 20.20 | | Data Processing | |
| | | | | | Shops | |
| Fees | 403,500 | 5.60 | 1.70 | 2.59 | Physical Plant | _ |
| Miscellaneous | 87,574 | 1.20 | .37 | .56 | | |
| MISCELIANEOUS | 01,012 | ~ | | | Central Utility | _ |
| Sub-Total 'B' | 491,074 | 6.80 | 2.07 | 3.15 | | |
| Total B | | | | | Total NASF | 100.0 |
| 77 | 700,613 | 9.70 | 2.96 | 4.49 | Non-Assignable | |
| Furniture | 60,000 | ,80 | .25 | .38 | Custodial | |
| Equipment | 000,00 | ,80 | ,20 | .00 | Custodiai | |
| | 760,613 | 10.50 | 3.21 | 4.88 | Mechanical | |
| Sub-Total 'C' | 700,013 | 10.50 | 0,21 | 4.00 | Rest Room | |
| | | | | | itest itoom | |
| Total Project Cost | 7,226,400 | 100.00 | 30.48 | 46.32 | Unassignable | |

22/SEP/71

PROJECT NAME:

SCIENCE LIBRARY - 65 STEACIE

PROJECT NUMBER: YO011 BUILDING TYPE: LIBRARY

UACP CODE:

PROJECT TYPE: NEW BUILDING

7-2 SUBMISSION DATE: 01/68

USE CATEGORY TYPE: LIBRARY

400 300

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 01/64 CONSTRUCTION TIME: 03/64 - 09/65

62,835

87,130

.72

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|------------------|--------------------|---|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | 0.1 |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 31.2 |
| Int. Vert. Elements | | | | | Office | 01.2 |
| Multi-Storey Elements | | | | | Library | 64.9 |
| Interior Finishes Building Equipment | 04.000 | | | | | |
| Cash Allowance | 24,800 18,894 | .90 | .28 | .39 | Physical Education | - |
| Built-in Equipment | 10,094 | .70 | .22 | .30 | C | |
| Architectural | 1.075.180 | 38.70 | 12.34 | 17.11 | Special Use Audio Visual | |
| Building Cost | 1,118,874 | 40.30 | 12.84 | 17.81 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. Iechanical | 000 410 | 0.00 | | | General Use | |
| rechanical | 229,410 | 8.30 | 2.63 | 3.65 | Assembly | |
| Electrical | 150,482 | 5.40 | 1.73 | 2.39 | Exhibition | - 0.1 |
| Fed. Sales Tax Rebate | 65,607 | 2.40 | .75 | 1.04 | Food Recreation | 2.1 |
| | · | | • | 2.01 | Recreation | |
| ub-Total 'A' | 1,433,159 | 51.60 | 16.45 | 22.81 | Supporting | |
| | | | | | Data Processing | 1.7 |
| Fees | 00.000 | | | | Shops | _ |
| r ees Miscellaneous | 96,920 | 3.50 | 1.11 | 1.54 | Physical Plant | 0.1 |
| Miscenaneous | | _ | _ | | | |
| ub-Total 'B' | 96,920 | 3.50 | 1.11 | 1.54 | Central Utility | _ |
| | 00,020 | 0.00 | 1.11 | 1.54 | Total NASF | 100.0 |
| | | | | | Total Wast | 100.0 |
| Furniture | 1,102,972 | 39.70 | 12.66 | 17.55 | Non-Assignable | |
| Equipment | 145,500 | 5.20 | 1.67 | 2.32 | Custodial | |
| ub-Total 'C' | 1.040.480 | 44.00 | | | Circulation | |
| ub Total C | 1,248,472 | 44.90 | 14.33 | 19.87 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,778,551 | 100.00 | 31.89 | 44.22 | Unassignable | |
| | , , , , , | | 02.00 | | Onassignative | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: YO036

CENTRAL LIBRARY PHASE 1-67

BUILDING TYPE:

LIBRARY NEW BUILDING

PROJECT TYPE: 7-1 UACP CODE: SUBMISSION DATE: 05/68

USE CATEGORY TYPE:

LIBRARY

400

NASF: GSF:

177,325 265,297 .67

NASF/GSF:

05/68

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

05/68 - 05/70

NORMAL MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|----------------------|--------------------|-----------------------|-------------------|-----------------------|-------------------------|
| City Davidson (Final) | - | _ | _ | _ | Classroom | 1.0 |
| Site Develop. (Excl.) | 87,000 | 1.00 | .33 | .49 | 0.14002.001.1 | |
| Site Develop. (Incl.) | 87,000 | _ | _ | | Special Purpose | |
| Alter'ns & Renova'ns | 87,000 | 1.00 | .33 | .49 | Research | |
| ite Development | 87,000 | 1.00 | .00 | . 10 | Laboratory | _ |
| 7 1' 4 0 C - 11 E - | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements | | | | | Office | 15.4 |
| Exterior Cladding | | | | | Ollico | |
| Int. Vert. Elements | | | | | Library | 83.0 |
| Multi-Storey Elements | | | | | Diorary | |
| Interior Finishes | 52,000 | .60 | .20 | .29 | Physical Education | _ |
| Building Equipment | 130,000 | 1.50 | .49 | .73 | i ily sicai Education | |
| Cash Allowance | 40,000 | .50 | .15 | .23 | Special Use | |
| Built-in Equipment | 4,945,887 | 55.90 | 18.64 | 27.89 | Audio Visual | _ |
| Architectural | | 58.40 | 19.48 | 29.14 | Clinic | |
| uilding Cost | 5,167,887 | 36.40 | 15.40 | 20,17 | Demonstration | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 050 91 9 | 10.80 | 3.62 | 5.41 | Assembly | _ |
| 1echanical | 959,313 | 10.80 | 0.02 | 0,41 | Exhibition | _ |
| | 200 401 | 7 70 | 2.56 | 3.84 | | 0.6 |
| Electrical | 680,431 | 7.70 | | 1.56 | Food | |
| Fed. Sales Tax Rebate | 275,785 | 3.10 | 1.04 | 1.50 | Recreation | |
| | 6,618,846 | 74.80 | 24.95 | 37.33 | Supporting | |
| Sub-Total 'A' | 0,010,040 | 1 4.00 | 21.00 | | Data Processing | _ |
| | | | | | Shops | _ |
| | 448.151 | 5.10 | 1.69 | 2.53 | Physical Plant | _ |
| Fees | 206,839 | 2.30 | .78 | 1.17 | I II y SICUI I IUII v | |
| Miscellaneous | 200,839 | 2.00 | ,10 | 2121 | Central Utility | _ |
| | 654,990 | 7.40 | 2.47 | 3.69 | Celitiai Othity | |
| Sub-Total 'B' | 034,330 | 1,70 | △ , ∀ , | 0.00 | Total NASF | 100.0 |
| | | | | | Total NASP | |
| | 1 916 100 | 13.70 | 4.58 | 6.86 | Non-Assignable | |
| Furniture | 1,216,100 357,000 | 4.00 | 1.35 | 2.01 | Custodial | |
| Equipment | 357,000 | 4.00 | 1.00 | 2.01 | Circulation | |
| | | 4 = 00 | F 0.0 | 0.07 | | |
| Sub-Total 'C' | 1,573,100 | 17.80 | 5.93 | 8.87 | Mechanical | |
| | | | | | Rest Room | |
| | 8.846.936 | 100.00 | 33.35 | 49.89 | Unassignable | |
| Total Project Cost | 0,020,000 | 100.00 | 00.00 | 20.00 | C | |

Library Buildings Additions

PROJECT NAME: PROJECT NUMBER: LA012

LIBRARY CAFETERIA ADDN. SCI. 2

USE CATEGORY TYPE:

NASF: GSF:

23,250 32,122

BUILDING TYPE: PROJECT TYPE:

LIBRARY ADDITION NASF/GSF: TENDER/ESTIMATE DATE: 08/68 .72

UACP CODE: SUBMISSION DATE: 08/68

7 - 1

CONSTRUCTION TIME: MARKET CONDITION:

09/68 - 06/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 9.7 |
| Site Develop, (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 044: | 9.0 |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | 11.7 |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | 00.448 | 0.00 | 2.07 | 2.86 | Physical Education | _ |
| Building Equipment | 66,447 | 6.00 .80 | .28 | .39 | I Hysical Education | |
| Cash Allowance | 9,000 | | .20 | -00 | Special Use | |
| Built-in Equipment | 683,952 | 61.70 | 21.29 | 29.42 | Audio Visual | |
| Architectural | 759,399 | 68.50 | 23.64 | 32.66 | Clinic | |
| suilding Cost | 105,055 | 00.00 | 20.01 | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent, & Cond. | | | | | General Use | |
| /lechanical | 189,200 | 17.10 | 5.89 | 8.14 | Assembly | |
| | | | | | Exhibition | 69.4 |
| Electrical | 101,082 | 9.10 | 3.15 | 4.35 | Food | |
| Fed. Sales Tax Rebate | 41,987 | 3.80 | 1.31 | 1.81 | Recreation | |
| | 1,007,694 | 90.90 | 31.37 | 43.34 | Supporting | |
| Sub-Total 'A' | 1,007,054 | 50.00 | 01.01 | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 70,538 | 6.40 | 2.20 | 3.03 | Physical Plant | |
| Miscellaneous | 30,231 | 2.70 | .94 | 1.30 | | |
| Miscenaneous | 00,202 | | | | Central Utility | _ |
| Sub-Total 'B' | 100,769 | 9.10 | 3.14 | 4.33 | | 00.00 |
| July 10 var 5 | | | | | Total NASF | 99.8% |
| T 14 | | | | | Non-Assignable | |
| Furniture Equipment | | | | | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| Sub-10tal C | | | | | Rest Room | |
| Total Project Cost | 1,108,463 | 100.00 | 34.51 | 47.68 | Unassignable | |

PROJECT NAME:

MILLS LIBRARY ADDITION

PROJECT NUMBER: MC421 BUILDING TYPE: LIBRARY

ADDITION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 05/68

7-1

USE CATEGORY TYPE:

NASF:

30,400

GSF: NASF/GSF: 44,454 .68

TENDER/ESTIMATE DATE: 04/68

CONSTRUCTION TIME: 08/68 - 01/70

MARKE'

| | | | SLACK |
|--|--|-------|-------|
| | | 'ION: | |
| | | | |
| | | | |

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 5,000 | .30 | .11 | .16 | Classroom | |
| Site Develop. (Incl.) | 600 | | .01 | .02 | | |
| Alter'ns & Renova'ns | _ | | - | | Special Purpose | |
| ite Development | 5,600 | .40 | .13 | .18 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 60,811 | 4.10 | 1.37 | 2.00 | Physical Education | _ |
| Cash Allowance | 43,580 | 2.90 | .98 | 1.43 | | |
| Built-in Equipment | | _ | | | Special Use | |
| Architectural | 744,053 | 49.60 | 16.74 | 24.48 | Audio Visual | _ |
| uilding Cost | 848,444 | 56.60 | 19.09 | 27.91 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 146,730 | 9.80 | 3.30 | 4.83 | Assembly | _ |
| | 220,100 | 0.00 | 0.00 | 1.00 | Exhibition | _ |
| Electrical | 93,360 | 6.20 | 2.10 | 3.07 | Food | _ |
| Fed. Sales Tax Rebate | <u> </u> | _ | _ | Money | Recreation | - |
| | | | | | 200204000 | |
| ab-Total 'A' | 1,094,134 | 72.90 | 24.61 | 35.99 | Supporting | |
| | | | | | Data Processing | _ |
| _ | | | | | Shops | _ |
| Fees | 82,269 | 5.50 | 1.85 | 2.71 | Physical Plant | _ |
| Miscellaneous | 16,201 | 1.10 | .36 | .53 | | |
| sh Tetal (D) | 09 450 | 6.60 | 2.22 | 2.04 | Central Utility | _ |
| ub-Total 'B' | 98,470 | 0.00 | 4.44 | 3.24 | Madal NI A CE | 0.0% |
| | | | | | Total NASF | 0.0% |
| Furniture | 17,700 | 1.20 | .40 | .58 | Non-Assignable | |
| Equipment | 290,000 | 19.30 | 6.52 | 9.54 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 307,700 | 20.50 | 6.92 | 10.12 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | | |
| otal Project Cost | 1,500,304 | 100.00 | 33.75 | 49.35 | Unassignable | |

PROJECT NAME:

LIBRARY ADDITION-65

PROJECT NUMBER: QU002 BUILDING TYPE:

LIBRARY

PROJECT TYPE:

ADDITION

UACP CODE: 7-2 SUBMISSION DATE: 10/67 USE CATEGORY TYPE:

NASF:

57,942

GSF: NASF/GSF: 84,350

TENDER/ESTIMATE DATE: 10/63

11/63 - 04/65

CONSTRUCTION TIME: MARKET CONDITION:

BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------|----------------|--------------------|------------------|-------------------|--------------------------|-------------------------|
| Site Develop. (Excl.) | 16,985 | .80 | .20 | .29 | Classroom | _ |
| Site Develop. (Incl.) | _ | | | | | |
| Alter'ns & Renova'ns | | _ | _ | _ | Special Purpose | |
| ite Development | 16,985 | .80 | .20 | .29 | Research | _ |
| 100 250 (020) 1100 250 | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 28.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 68.7 |
| Interior Finishes | | | | | | |
| Building Equipment | 283,114 | 13.70 | 3.36 | 4.89 | Physical Education | - |
| Cash Allowance | 43,450 | 2.10 | .52 | .75 | | |
| Built-in Equipment | | | _ | Marrie . | Special Use | |
| Architectural | 690,853 | 33.50 | 8.19 | 11.92 | Audio Visual | |
| Building Cost | 1,017,417 | 49.40 | 12.06 | 17.56 | Clinic | _ |
| sullaing Cost | 1,011,411 | 10.10 | 22.00 | | Demonstration | _ |
| Plumbing & Drains | | | | | 2011011011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 263,720 | 12.80 | 3.13 | 4.55 | Assembly | - |
| Mechanical | 200,120 | 12.00 | 0.20 | | Exhibition | |
| F34-53 | 327,052 | 15.90 | 3.88 | 5.64 | Food | 1.1 |
| Electrical | 321,002 | - | _ | | Recreation | _ |
| Fed. Sales Tax Rebate | | | | | Recleation | |
| 7 7 77 4 7 4 8 4 8 7 | 1,625,174 | 78.90 | 19.27 | 28.05 | Supporting | |
| Sub-Total 'A' | 1,625,174 | 18.50 | 10.21 | 20,00 | Data Processing | _ |
| | | | | | Shops | _ |
| D. | 155,732 | 7.60 | 1.85 | 2.69 | Physical Plant | 1.0 |
| Fees | 155,732 | 7.00 | _ | | I nysicai i iant | |
| Miscellaneous | | | | | Central Utility | |
| | 155,732 | 7.60 | 1.85 | 2.69 | Central Culity | |
| Sub-Total 'B' | 155,752 | 7.00 | 1.00 | 2,00 | Total NASF | 99.8% |
| | | | | | Iotal NASP | 00.070 |
| 13 | 120.000 | 6.30 | 1.54 | 2.24 | Non-Assignable | |
| Furniture | 130,000 | 7.30 | 1.78 | 2.59 | Non-Assignable Custodial | |
| Equipment | 150,000 | 1.30 | 1.76 | 2,00 | Custodial | |
| | 980 000 | 12.60 | 3.32 | 4.83 | | |
| Sub-Total 'C' | 280,000 | 13.60 | 3.34 | 4.00 | Mechanical | |
| | | | | | Rest Room | |
| | 0.000.000 | 100.00 | 04.40 | 05.57 | Unassignable | |
| Total Project Cost | 2,060,906 | 100.00 | 24.43 | 35.57 | Unassignable | |

PROJECT NAME:

ARTS LIBRARY — STAGE 2

PROJECT NUMBER: WA003 BUILDING TYPE:

PROJECT TYPE:

LIBRARY ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 10/70

USE CATEGORY TYPE:

NASF:

30,216

GSF: NASF/GSF: 42,430 .71

TENDER/ESTIMATE DATE: 06/65

CONSTRUCTION TIME: 11/63 - 10/65

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 3.8 |
| Site Develop. (Incl.) | | | | | | |
| ·Alter'ns & Renova'ns Site Development | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | 95.1 |
| Int. Vert. Elements | | | | | 0.1166 | 00.2 |
| Multi-Storey Elements | | | | | Library | 1.1 |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | 104,894 | 10.20 | 2.47 | 3.47 | | |
| Built-in Equipment | - | | _ | | Special Use | |
| Architectural Building Cost | 549,457 | 53.70 | 12.95 | 18.18 | Audio Visual | |
| unding Cost | 654,351 | 63.90 | 15.42 | 21.66 | Clinic | - |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 187,292 | 18.30 | 4.41 | 6.20 | Assembly | _ |
| | 101,202 | 10.00 | 7.71 | 0.20 | Exhibition | _ |
| Electrical | 77,214 | 7.50 | 1.82 | 2.56 | Food | - |
| Fed. Sales Tax Rebate | 27,566 | 2.70 | .65 | .91 | Recreation | _ |
| ub-Total 'A' | 891,291 | 87.00 | 21.01 | 29.50 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 55,131 | 5.40 | 1.30 | 1.82 | Physical Plant | - |
| Miscellaneous | 27,566 | 2.70 | .65 | .91 | | |
| Sub-Total 'B' | 82,697 | 8.10 | 1.95 | 2.74 | Central Utility | |
| ub-lotal B | 82,031 | 0,10 | 1.50 | 2.14 | Total NASF | 100.0% |
| | | | | | Total NASF | 200.070 |
| Furniture | 50,000 | 4.90 | 1.18 | 1.65 | Non-Assignable | |
| Equipment | _ | _ | _ | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 50,000 | 4.90 | 1.18 | 1.65 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 1,023,988 | 100.00 | 24.13 | 33.89 | Unassignable | |
| | _,5=0,000 | 200,00 | 21.10 | 00,00 | O massignation | |

PROJECT NAME:

3 FLOOR ADD'N TO ARTS LIB

PROJECT NUMBER: WA059 BUILDING TYPE: LIBRARY PROJECT TYPE:

ADDITION

7-1

UACP CODE: SUBMISSION DATE: 07/69 USE CATEGORY TYPE:

NASF:

27,999

GSF:

38,300

NASF/GSF: TENDER/ESTIMATE DATE: 07/69

CONSTRUCTION TIME:

08/69 - 05/70

MARKET CONDITION:

NORMAL

| Interior Finishes Building Equipment 2,000 .20 .05 .07 Physical Education Cash Allowance 27,700 2.40 .72 .99 Special Use Architectural 719,825 61.60 18.79 25.71 Audio Visual Demonstration Plumbing & Drains Heat. Vent. & Cond. General Use Electrical 97,760 8.40 2.55 3.49 Food Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Sub-Total 'B' 97,419 8.30 2.54 3.48 Central Utility Sub-Total 'B' 97,419 8.30 2.54 3.48 Central Utility Centr | T ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop, (Incl.) | Site Develop, (Excl.) | | _ | *** | _ | Classroom | _ |
| Alter'ns & Renova'ns 8,840 .80 .23 .32 Special Purpose Site Development 13,695 1.20 .36 .49 Research Laboratory Dry Lab Laboratory Dry Lab Laboratory Dry Lab Laboratory Dry Lab Laboratory Laborator | | 4.855 | .40 | .13 | .17 | | |
| Indirect & Gen'l Exp | | | | | | Special Purpose | |
| Indirect & Gen'l Exp Substructure Substructur | Development | | | | | | _ |
| Substructure Horizontal Elements Exterior Cladding Int. Vert. Elements Library Interior Finishes Library Library Interior Finishes Library Library Library Inter | | | | | | Laboratory | _ |
| Horizontal Elements Exterior Cladding Int. Vert. Elements Library Interior Finishes Library Interior Finishes Building Equipment 2,000 .20 .05 .07 Physical Education Cash Allowance 27,700 2.40 .72 .99 Built-in Equipment Special Use Architectural 719,825 61.60 18.79 25.71 Audio Visual Clinic Demonstration Demons | Indirect & Gen'l Exp | | | | | Dry Lab | |
| Exterior Cladding Int. Vert. Elements | Substructure | | | | | Wet Lab | |
| Int. Vert. Elements | Horizontal Elements | | | | | | |
| Multi-Storey Elements Interior Finishes Building Equipment 2,000 2.40 .05 .07 Physical Education Cash Allowance 27,700 2.40 .72 .99 Built-in Equipment — — — Special Use Architectural 719,825 61,60 18.79 25.71 Audio Visual Builting Cost 749,525 64.10 19.57 26.77 Clinic Plumbing & Drains Heat. Vent. & Cond. Mechanical 142,917 12.20 3.73 5.10 Assembly Exhibition Electrical 97,760 8.40 2.55 3.49 Food Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — — Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | Exterior Cladding | | | | | Office | com |
| Multi-Storey Elements Interior Finishes Building Equipment 2,000 2.00 .05 .07 Physical Education Cash Allowance 27,700 2.40 .72 .99 Built-in Equipment — — — Special Use Architectural 719,825 61.60 18.79 25.71 Audio Visual Building Cost 749,525 64.10 19.57 26.77 Clinic Plumbing & Drains Heat. Vent. & Cond. Mechanical 142,917 12.20 3.73 5.10 Assembly Exhibition Electrical 97,760 8.40 2.55 3.49 Food Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — — Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | Int. Vert. Elements | | | | | | |
| Interior Finishes Suiding Equipment 2,000 .20 .05 .07 Physical Education Cash Allowance 27,700 2.40 .72 .99 Special Use Architectural 719,825 61.60 18.79 25.71 Audio Visual Clinic Demonstration | | | | | | Library | 100.0 |
| Cash Allowance 27,700 2.40 .72 .99 | Interior Finishes | | | | | | |
| Cash Allowance 27,700 2.40 .72 .99 | Building Equipment | 2,000 | .20 | .05 | .07 | Physical Education | _ |
| Built-in Equipment | | | | | | | |
| Architectural 719,825 61.60 18.79 25.71 Audio Visual 3uilding Cost 749,525 64.10 19.57 26.77 Clinic Demonstration Plumbing & Drains Heat. Vent. & Cond. Mechanical 142,917 12.20 3.73 5.10 Assembly Exhibition Flood Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Sub-Total 'C' 97,419 8.30 2.54 3.48 Non-Assignable Custodial Circulation Mechanical | | , | | | | Special Use | |
| Sulding Cost 749,525 64.10 19.57 26.77 Clinic Demonstration | | 719.825 | 61.60 | 18.79 | 25.71 | | _ |
| Demonstration Demonstratio | | | | | | | _ |
| Heat. Vent. & Cond. General Use | | , | | | | | _ |
| Heat. Vent. & Cond. General Use Mechanical 142,917 12.20 3.73 5.10 Assembly Exhibition Ex | Plumbing & Drains | | | | | | |
| Electrical 97,760 8.40 2.55 3.49 Food Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — — — — — — — — — — — — — — — — | | | | | | General Use | |
| Electrical 97,760 8.40 2.55 3.49 Food Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting Data Processing Shops Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — — — — — — — — — — — — — — — — | nanical | 142,917 | 12.20 | 3.73 | 5.10 | Assembly | _ |
| Electrical | | | | | | • | _ |
| Fed. Sales Tax Rebate 29,706 2.50 .78 1.06 Recreation Sub-Total 'A' 974,191 83.30 25.44 34.79 Supporting | Electrical | 97,760 | 8.40 | 2.55 | 3.49 | | _ |
| Sub-Total 'A' 974,191 83.30 25.44 34.79 Data Processing Shops Shops Physical Plant Central Utility Sub-Total 'B' Furniture Equipment 97,419 8.30 2.54 3.48 Non-Assignable Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | | _ |
| Data Processing Shops Shop | | , | | | | | |
| Data Processing Shops Shop | Total 'A' | 974,191 | 83.30 | 25.44 | 34.79 | Supporting | |
| Shops Shop | | | | | | | _ |
| Fees 68,193 5.80 1.78 2.44 Physical Plant Miscellaneous 29,226 2.50 .76 1.04 Central Utility Total NASF Furniture 97,419 8.30 2.54 3.48 Fquipment Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | | _ |
| Miscellaneous 29,226 2.50 .76 1.04 Central Utility | Fees | 68,193 | 5.80 | 1.78 | 2.44 | | _ |
| Central Utility Sub-Total 'B' 97,419 8.30 2.54 3.48 Total NASF To | Miscellaneous | | 2.50 | .76 | 1.04 | | |
| Sub-Total 'B' 97,419 8.30 2.54 3.48 Furniture Equipment 97,419 8.30 2.54 3.48 Non-Assignable Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | Central Utility | |
| Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | Total 'B' | 97,419 | 8.30 | 2.54 | 3.48 | | |
| Furniture 97,419 8.30 2.54 3.48 Non-Assignable Equipment — — — — Custodial Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | Total NASF | 100.0% |
| Equipment — — — — Custodial Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | | |
| Equipment — — — — Custodial Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | Furniture | 97,419 | 8.30 | 2.54 | 3.48 | Non-Assignable | |
| Circulation Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | _ | _ | | _ | | |
| Sub-Total 'C' 97,419 8.30 2.54 3.48 Mechanical | | | | | | | |
| · | Total 'C' | 97.419 | 8.30 | 2.54 | 3,48 | | |
| According to the contract of t | | | | | 0.10 | | |
| | | | | | | | |
| Total Project Cost 1,169,029 100.00 30.52 41.75 Unassignable | l Project Cost | 1,169,029 | 100.00 | 30.52 | 41.75 | Unassignable | |

PROJECT NAME:

UACP CODE:

LIBRARY EXTENSION

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

WI033

ACTUAL

LIBRARY ADDITION 7-1 09/70

USE CATEGORY TYPE:

% OF TOTAL

NASF:

101,500 GSF: 153,794

NASF/GSF:

TENDER/ESTIMATE DATE: 09/69

CONSTRUCTION TIME:

11/69 - 02/71

.66

MARKET CONDITION:

BUSY

ACTUAL ACTUAL % OF TOTAL COST ELEMENT COST COST \$/GSF \$/NASF USE CATEGORY NASF AREA Site Develop, (Excl.) Classroom Site Develop, (Incl.) 51,200 .90 .33 .50 Alter'ns & Renova'ns 120,000 2.10 .78 1.18 Special Purpose Site Development 171,200 3.00 1.11 1.69 Research Laboratory Indirect & Gen'l Exp Dry Lab Substructure Wet Lab Horizontal Elements Exterior Cladding Office 10.9 Int. Vert. Elements Multi-Storey Elements Library 89.1 Interior Finishes **Building Equipment** 25,000 .40 .16 .25 Physical Education Cash Allowance 72,000 1.30 .47 .71 Built-in Equipment Special Use Architectural 2,697,718 47.30 17.54 26.58 Audio Visual **Building Cost** 2,794,718 49.00 18.17 27.53 Clinic Demonstration Plumbing & Drains Heat. Vent. & Cond. General Use Mechanical 1,092,000 19.10 7.10 10.76 Assembly Exhibition Electrical 732,082 12.80 4.76 7.21 Food Fed, Sales Tax Rebate 158,000 2.80 1.03 1.56 Recreation Sub-Total 'A' 4,632,000 81.20 30.12 45.64 Supporting Data Processing Shops Fees 335,300 5.90 2.18 3.30 Physical Plant Miscellaneous 138,960 2.40 .90 1.37 Central Utility Sub-Total 'B' 474,260 8.30 3.08 4.67 Total NASF 100.0% Furniture 400,000 7.00 2.60 3.94 Non-Assignable Equipment 200,000 3.50 1.30 1.97 Custodial Circulation Sub-Total 'C' 600,000 10.50 3.90 5.91 Mechanical Rest Room Total Project Cost 5,706,260 100.00 37.10 Unassignable 56.22

Library Buildings Alterations

PROJECT NAME:

LIBRARY ALTERATIONS

PROJECT NUMBER: CA060 BUILDING TYPE:

LIBRARY PROJECT TYPE: ALTERATION

UACP CODE: 7-1 SUBMISSION DATE: 12/70 USE CATEGORY TYPE:

NASF:

21,075

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 11/70

12/70 - 03/71CONSTRUCTION TIME:

MARKET CONDITION: SLACK

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--|--|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | _ |
| Alter'ns & Renova'ns | | | | | | |
| te Development | | | | | Special Purpose | |
| | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | Manage |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 5.2 |
| Int. Vert. Elements | | | | | | 0.2 |
| Multi-Storey Elements | | | | | Library | 84.4 |
| Interior Finishes | | | | | | |
| Building Equipment | 14.010 | F 00 | | | Physical Education | _ |
| Cash Allowance Built-in Equipment | 14,019 | 5.00 | _ | .67 | | |
| Architectural | 119,669 | 40.770 | epun man | | Special Use | |
| ding Cost | 133,688 | 42.70 47.70 | | 5.68 | Audio Visual | _ |
| unig Cost | 100,000 | 47.70 | _ | 6.34 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent, & Cond. | | | | | General Use | |
| chanical | 47,000 | 16.80 | _ | 2.23 | Assembly | |
| | 41,000 | 10.60 | | | Exhibition | |
| Electrical | 7,400 | 2.60 | _ | .35 | Food | 10.4 |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| | | | | | 20-02-02-02-02-02-02-02-02-02-02-02-02-0 | |
| -Total 'A' | 188,088 | 67.10 | _ | 8.92 | Supporting | |
| | | | | | Data Processing | _ |
| n. | | | | | Shops | _ |
| Fees | 18,809 | 6.70 | _ | .89 | Physical Plant | ************************************** |
| Miscellaneous | 5,643 | 2.00 | Rydwald | .27 | | |
| -Total 'B' | 04 450 | 0.50 | | 4.40 | Central Utility | _ |
| -10tal B | 24,452 | 8.70 | | 1.16 | | 100.0% |
| | | | | | Total NASF | 100.0% |
| Furniture | 19,900 | 7.10 | | .94 | Non-Assignable | |
| Equipment | 47,950 | 17.10 | _ | 2.28 | Custodial | |
| | | | | | Circulation | |
| -Total 'C' | 67,850 | 24.20 | _ | 3.22 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | | |
| tal Project Cost | 280,390 | 100.00 | embron | 13.30 | Unassignable | |

PROJECT NAME:

DOUGLAS LIBRARY AIR CONDITIONING

PROJECT NUMBER: QU078

LIBRARY

USE CATEGORY TYPE:

NASF: GSF:

11,705

BUILDING TYPE:

NASF/GSF:

17,557 .67

PROJECT TYPE: UACP CODE:

ALTERATION

TENDER/ESTIMATE DATE: 07/69 CONSTRUCTION TIME: MARKET CONDITION:

09/69 - 12/69NORMAL

7-2SUBMISSION DATE: 03/70

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | 444 | _ | Classroom | |
| Site Develop, (Incl.) | | | | | 0 10 | |
| Alter'ns & Renova'ns | 9,600 | 16.10 | .55 .55 | .82 .82 | Special Purpose Research | |
| Site Development | 9,600 | 16.10 | .00 | .62 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | T. 13 | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | I II y Sicur Du deduiois | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | | | | | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. Mechanical | 40,582 | 68.10 | 2.31 | 3.47 | Assembly | |
| Mechanical | 40,002 | 00.10 | 2.01 | 0.41 | Exhibition | |
| Electrical | 4,400 | 7.40 | .25 | .38 | Food | _ |
| Fed. Sales Tax Rebate | _ | | _ | _ | Recreation | _ |
| | | | | | | |
| Sub-Total 'A' | 54,582 | 91.60 | 3.11 | 4.66 | Supporting | _ |
| | | | | | Data Processing Shops | _ |
| Fees | 5,013 | 8.40 | .29 | .43 | Physical Plant | _ |
| Miscellaneous | 9,013 | - | .25 | | a my sacon a amony | |
| 111000114110040 | | | | | Central Utility | |
| Sub-Total 'B' | 5,013 | 8.40 | .29 | .43 | | |
| | | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | | | | | Non-Assignable Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | | | • | | Mechanical | |
| Sub-10tal C | | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 59,595 | 100.00 | 3.39 | 5.09 | Unassignable | |
| | | | | | | |
| | | | | | | |

PROJECT NAME:

ARTS LIBRARY — ALTERATIONS

PROJECT NUMBER: WA072 BUILDING TYPE:

LIBRARY

PROJECT TYPE: UACP CODE:

SUBMISSION DATE: 01/71

ALTERATION 7-1

USE CATEGORY TYPE:

NASF:

GSF:

NASF/GSF:

4,850

TENDER/ESTIMATE DATE: 01/70

CONSTRUCTION TIME: 09/70 - 11/70 MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|--|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
| ite Development | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | 4000.00 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | wint |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 565 | 1.40 | .12 | parties. | Physical Education | |
| Cash Allowance | 3,000 | 7.70 | .62 | _ | i nysical Education | |
| Built-in Equipment | | _ | _ | | Special Use | |
| Architectural | 17,992 | 46.00 | 3.71 | _ | Audio Visual | |
| uilding Cost | 21,557 | 55.10 | 4.44 | | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 770 | 2.00 | .16 | | Assembly | |
| | | | | ** | Exhibition | _ |
| Electrical | 2,576 | 6.60 | .53 | _ | Food | - |
| Fed. Sales Tax Rebate | - Approximate to the state of t | _ | marin | _ | Recreation | _ |
| ub-Total 'A' | 24,903 | 63.60 | 5.13 | _ | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 2,490 | 6.40 | .51 | ***** | Physical Plant | - |
| Miscellaneous | 747 | 1.90 | .15 | _ | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 3,237 | 8.30 | .67 | _ | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 11,000 | 28.10 | 2.27 | _ | Non-Assignable | |
| Equipment | _ | _ | _ | - | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 11,000 | 28.10 | 2.27 | _ | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 39,140 | 100.00 | 8.07 | _ | Unassignable | |

Library Buildings Renovations

PROJECT NAME:

MILLS LIBRARY RENOVATION

PROJECT NUMBER: MC422
BUILDING TYPE: LIBRAR

LIBRARY RENOVATION

PROJECT TYPE: UACP CODE:

UACP CODE: 7-1 SUBMISSION DATE: 05/68 USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 04/68

E: 04/68 08/68 -- 01/70

CONSTRUCTION TIME: MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop, (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| Indicat & Carl Far | | | | | Laboratory | _ |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab | |
| | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | | |
| | | | | | Office | _ |
| Int. Vert. Elements Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | |
| Building Equipment | 5,800 | 0.40 | | | | |
| Cash Allowance | | 2.40 | | _ | Physical Education | ***** |
| Built-in Equipment | 16,820 | 6.90 | | | | |
| Architectural | | | | _ | Special Use | |
| | 62,951 | 26.00 | | _ | Audio Visual | _ |
| uilding Cost | 85,571 | 35.30 | | _ | Clinic | _ |
| Discording & Don't | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| fechanical fechanical | 52,200 | 21.50 | | | Assembly | |
| 777 | | | | | Exhibition | _ |
| Electrical | 36,540 | 15.10 | | water | Food | |
| Fed. Sales Tax Rebate | _ | _ | | _ | Recreation | _ |
| ub-Total 'A' | 174,311 | 71.90 | armer . | _ | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 14,330 | 5.90 | | _ | Physical Plant | |
| Miscellaneous | 1,360 | .60 | _ | _ | i ily sical i falli | |
| | | | | | Central Utility | |
| ab-Total 'B' | 15,690 | 6.50 | _ | _ | Central Centry | |
| | , | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | 38,300 | 15.80 | _ | _ | Non-Assignable | |
| Equipment | 14,000 | 5.80 | - | _ | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 52,300 | 21.60 | - | ***** | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 242,301 | 100.00 | - | _ | Unaggignable | |
| | , | 200.00 | | | Unassignable | |



CA 49 / Arts I Building — 1968

Murray & Murray, Architects & Town Plant

Maintenance Buildings

PROJECT NAME:

PROJECT NUMBER: LA 027

BUILDING TYPE: PROJECT TYPE:

NEW BUILDING 7-1 UACP CODE: SUBMISSION DATE: 02/71

MAINTENANCE BUILDING 1969

USE CATEGORY TYPE: PHYSICAL PLANT MAINT & CENT SERV

830 300

22/SEP/71

NASF: GSF:

NASF/GSF:

14,550

19,370

.75

02/71 TENDER/ESTIMATE DATE: 02/71 - 06/71CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | gayaha |
| Site Develop. (Incl.) | | | | | Consolal Burnaga | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| te Development | | | | | Laboratory | - |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 26.3 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 408751 |
| Interior Finishes | | | | | | |
| Building Equipment | 1,000 | .20 | .05 | .07 | Physical Education | |
| Cash Allowance | 6,157 | 1.30 | .32 | .42 | 0 | |
| Built-in Equipment | | | 40.00 | 17.31 | Special Use Audio Visual | |
| Architectural | 251,843 | 51.90 | 13.00 13.37 | 17.80 | Clinic | _ |
| uilding Cost | 259,000 | 53.40 | 13.37 | 17,00 | Demonstration | _ |
| Di lina 8 Dunia | | | | | Delizottottation | |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | General Use | |
| Heat, vent, & Cond. Iechanical | 112,700 | 23.20 | 5.82 | 7.75 | Assembly | |
| rechanical | | | | | Exhibition | |
| Electrical | 45,100 | 9.30 | 2.33 | 3.10 | Food | |
| Fed. Sales Tax Rebate | 12,500 | 2.60 | .65 | .86 | Recreation | |
| | 404,300 | 83.30 | 20.87 | 27.79 | Supporting | |
| ub-Total 'A' | 404,300 | 00.00 | 20.01 | 21,10 | Data Processing | _ |
| | | | | | Shops | 73.7 |
| Fees | 28,300 | 5.80 | 1.46 | 1.95 | Physical Plant | - |
| Miscellaneous | 12,130 | 2.50 | .63 | .83 | | |
| Miscenaneous | , | | | | Central Utility | |
| ub-Total 'B' | 40,430 | 8.30 | 2.09 | 2.78 | | 400.0 |
| 1001 | | | | | Total NASF | 100.0 |
| Furniture | 23,430 | 4.80 | 1.21 | 1.61 | Non-Assignable | |
| Equipment | 17,000 | 3.50 | .88 | 1.17 | Custodial | |
| Equipment | , | | | | Circulation | |
| Sub-Total 'C' | 40,430 | 8.30 | 2.09 | 2.78 | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 485,160 | 100.00 | 25.05 | 33.34 | Unassignable | |

PROJECT NUMBER: MC023

PROJECT NAME:

BUILDING TYPE: MAINT & CENT SERV

PROJECT TYPE: NEW BUILDING

UACP CODE: 7-2

SUBMISSION DATE: 02/70

CAMPUS SERVICS BUILDING

USE CATEGORY TYPE: PHYSICAL PLANT

830

22/SEP/71

NASF:

GSF: NASF/GSF: TENDER/ESTIMATE DATE: 43,035 51,850 .83

07/66

07/66 - 10/67

CONSTRUCTION TIME: MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop, (Excl.) | 91,860 | 7.70 | 1.77 | 2,13 | Classroom | _ |
| Site Develop. (Incl.) | 18,200 | 1.50 | .35 | .42 | | |
| Alter'ns & Renova'ns | _ | | _ | - | Special Purpose | |
| ite Development | 110,060 | 9.20 | 2.12 | 2.56 | Research | _ |
| 7. 11 | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 11.2 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 39,745 | 3.30 | .77 | .92 | Physical Education | |
| Cash Allowance | 17,255 | 1.40 | .33 | .40 | | |
| Built-in Equipment | | _ | | | Special Use | |
| Architectural | 428,744 | 35.80 | 8.27 | 9.96 | Audio Visual | _ |
| uilding Cost | 485,744 | 40.60 | 9.37 | 11.29 | Clinic | _ |
| m | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 357,216 | 29.90 | 6.89 | 8.30 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 105,979 | 8.90 | 2.04 | 2.46 | Food | 2.9 |
| Fed. Sales Tax Rebate | _ | | | Apart Ann | Recreation | _ |
| -1- M-4-1 (A 1 | | | | | | |
| ub-Total 'A' | 1,058,999 | 88.50 | 20.42 | 24.61 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | 85.9 |
| Fees | 52,131 | 4.40 | 1.01 | 1.21 | Physical Plant | |
| Miscellaneous | 36,916 | 3.10 | .71 | .86 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 89,047 | 7.40 | 1.72 | 2.07 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 40 100 | 4.00 | | | | |
| | 48,122 | 4.00 | .93 | 1.12 | Non-Assignable | |
| Equipment | _ | | _ | _ | Custodial | |
| 1 m : 1 m | | | | | Circulation | |
| ub-Total 'C' | 48,122 | 4.00 | .93 | 1.12 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 1 100 100 | 100.00 | 0.0.0# | | | |
| JUNET PROJECT COST | 1,196,168 | 100.00 | 23.07 | 27.80 | Unassignable | |

22/SEP/71

PROJECT NAME:

UACP CODE:

MAINTENANCE SERVICES BUILDING

PROJECT NUMBER: OT056 BUILDING TYPE: PROJECT TYPE:

MAINT & CENT SERV

NEW BUILDING

7-1 SUBMISSION DATE: 01/71

USE CATEGORY TYPE:

PHYSICAL PLANT

830

NASF: GSF:

20,320 27,500

.74

NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

11/70 11/70 - 02/72

MARKET CONDITION:

BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | 14,000 | 1.40 | .51 | .69 | | |
| Alter'ns & Renova'ns | _ | | _ | _ | Special Purpose | |
| ite Development | 14,000 | 1.40 | .51 | .69 | Research | |
| | | | | | Laboratory | and confi |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 2.6 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 8,650 | .90 | .31 | .43 | Physical Education | attenda |
| Cash Allowance | 15,550 | 1.60 | .57 | .77 | | |
| Built-in Equipment | | | 04.00 | 40.05 | Special Use | |
| Architectural | 875,139 | 87.50 | 31.82 | 43.07 | Audio Visual | _ |
| Suilding Cost | 899,339 | 89.90 | 32.70 | 44.26 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 40,000 | 4.00 | 1.45 | 1.97 | Assembly | |
| Mechanical | 40,000 | 4.00 | 1.40 | 1.01 | Exhibition | |
| The state of | 20,000 | 2,00 | .73 | .98 | Food | _ |
| Electrical | 29,213 | 2.90 | 1.06 | 1.44 | Recreation | |
| Fed. Sales Tax Rebate | 25,210 | 2.50 | 1.00 | 1.41 | Recreation | |
| Sub-Total 'A' | 944,126 | 94.40 | 34.33 | 46.46 | Supporting | |
| sub-10tal A | 011,120 | 04.40 | 01.00 | 20120 | Data Processing | - |
| | | | | | Shops | 97.4 |
| Fees | 56,500 | 5.60 | 2.05 | 2.78 | Physical Plant | |
| Miscellaneous | | | | | a my sacous a nome | |
| Miscellancous | | | | | Central Utility | - |
| Sub-Total 'B' | 56,500 | 5.60 | 2.05 | 2.78 | | |
| Jud I Juli B | · | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Y K | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 1,000,626 | 100.00 | 36.39 | 49.24 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: WA011 BUILDING TYPE:

MAINT & CENT SERV

PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 11/68

CENTRAL SERVICES

USE CATEGORY TYPE: CENTRAL UTILITY

900

22/SEP/71

NASF: GSF: NASF/GSF: 25,330 29,438 .86

TENDER/ESTIMATE DATE: 01/66

CONSTRUCTION TIME: 01/66 - 09/67

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 401,280 | 11.40 | 13.63 | 15.84 | Classroom | |
| Site Develop. (Incl.) | 18,207 | .50 | .62 | .72 | | |
| Alter'ns & Renova'ns | | | _ | _ | Special Purpose | |
| Site Development | 419,487 | 11.90 | 14.25 | 16.56 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding Int, Vert, Elements | | | | | Office | |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | |
| Building Equipment | | | | | T | |
| Cash Allowance | 3,230 | .10 | .11 | .13 | Physical Education | |
| Built-in Equipment | | | | .10 | Consist Tree | |
| Architectural | 688,087 | 19.50 | 23.37 | 27.16 | Special Use Audio Visual | |
| Building Cost | 691,317 | 19.60 | 23.48 | 27.29 | Clinic | |
| | 002,021 | 10.00 | 20.40 | 21.20 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,444,476 | 41.00 | 49.07 | 57.03 | Assembly | |
| | _,,_ | | 20101 | 01100 | Exhibition | |
| Electrical | 472,128 | 13.40 | 16.04 | 18.64 | Food | |
| Fed. Sales Tax Rebate | 105,095 | 3.00 | 3.57 | 4.15 | Recreation | |
| | | | | | 200000000 | |
| ub-Total 'A' | 2,922,313 | 82.90 | 99.27 | 115.37 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 201,252 | 5.70 | 6.84 | 7.95 | Physical Plant | |
| Miscellaneous | 100,626 | 2.90 | 3.42 | 3.97 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 301,878 | 8.60 | 10.25 | 11.92 | | |
| | | | | | Total NASF | |
| Furniture | 3,000 | .10 | .10 | .12 | Non-Assignable | |
| Equipment | 297,666 | 8.40 | 10.11 | 11.75 | Custodial | |
| | | | | 220 | Circulation | |
| Sub-Total 'C' | 300,666 | 8.50 | 10.21 | 11.87 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 3,524,857 | 100.00 | 119.74 | 139.16 | Timeseignoble | |
| Otal I Toject Cost | 0,024,007 | 100.00 | 119.74 | 139.10 | Unassignable | |

MAINTENANCE STORES & COMMISSARY 1965

PROJECT NAME: PROJECT NUMBER: WA012

BUILDING TYPE: MAINT & CENT SERV

NEW BUILDING PROJECT TYPE:

UACP CODE:

SUBMISSION DATE: 10/70

USE CATEGORY TYPE:

PHYSICAL PLANT

830

22/SEP/71

NASF:

GSF: NASF/GSF:

31,184 44,427 .70

TENDER/ESTIMATE DATE: 02/66

CONSTRUCTION TIME:

02/66 - 12/66

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop, (Excl.) | _ | | _ | | Classroom | |
| Site Develop, (Incl.) | 30,398 | 2.90 | .68 | .97 | | |
| Alter'ns & Renova'ns | | | _ | _ | Special Purpose | |
| ite Development | 30,398 | 2.90 | .68 | .97 | Research | _ |
| 200 Dovolo Pilitoria | 00,000 | 2.00 | .00 | .01 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 10.8 |
| Int. Vert. Elements | | | | | Office | 10.8 |
| | | | | | 7.13 | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | ma 0.55 | m 40 | 4 50 | 0.70 | D1 1 1 D1 11 | |
| Building Equipment | 78,905 | 7.40 | 1.78 | 2.53 | Physical Education | _ |
| Cash Allowance | 700 | .10 | .02 | .02 | | |
| Built-in Equipment | - | _ | _ | | Special Use | |
| Architectural | 488,967 | 46.00 | 11.01 | 15.68 | Audio Visual | _ |
| Building Cost | 568,572 | 53.50 | 12.80 | 18.23 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 187,102 | 17.60 | 4.21 | 6.00 | Assembly | _ |
| | · · | | | | Exhibition | |
| Electrical | 159,138 | 15.00 | 3.58 | 5.10 | Food | 21.7 |
| Fed. Sales Tax Rebate | 37,808 | 3.60 | .85 | 1.21 | Recreation | |
| 1 - 21 | | | | | | |
| Sub-Total 'A' | 907,402 | 85.40 | 20.42 | 29.10 | Supporting | |
| 740 10 141 11 | 551,252 | | | | Data Processing | _ |
| | | | | | Shops | 67.5 |
| Fees | 56,713 | 5.30 | 1.28 | 1.82 | Physical Plant | _ |
| Miscellaneous | 28,356 | 2.70 | .64 | .91 | i ily sical i laite | |
| Miscenaneous | 20,000 | 2,10 | .04 | .01 | Central Utility | _ |
| Cult Madal (19) | 85,069 | 8.00 | 1.91 | 2.73 | Central Culity | |
| Sub-Total 'B' | 600,069 | 0.00 | 1.91 | 2.13 | M-4-1 N/ACE | 100.0 |
| | | | | | Total NASF | 100.0 |
| E | | | | | Non Assistantia | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | #A 000 | 0.00 | 1.50 | 0.04 | Circulation | |
| Sub-Total 'C' | 70,000 | 6.60 | 1.58 | 2.24 | Mechanical | |
| | | | | | Rest Room | |
| | 1 000 471 | 100.00 | 00.01 | 0.4.07 | | |
| Total Project Cost | 1,062,471 | 100.00 | 23.91 | 34.07 | Unassignable | |

PROJECT NAME: PHYSICAL PLANT WORKSHOPS PHASE 1-65

PROJECT NUMBER: Y0020 USE CATEGORY TYPE:

MAINT & CENT SERV BUILDING TYPE: PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1

SUBMISSION DATE: 08/66

22/SEP/71

NASF: 17,647 GSF: 22,750

NASF/GSF: .78

TENDER/ESTIMATE DATE: 11/65 02/66 - 10/66CONSTRUCTION TIME:

| ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------|---|--|---|--|--------------------------------------|
| | | | | Classroom | |
| | | | | | |
| | | | | | |
| | | | | | _ |
| | | | | | - Andrews |
| | | | | | |
| | | | | Wet Lab | |
| | | | | Office | 10.2 |
| | | | | Ottice | 10.2 |
| | | | | Library | _ |
| | | | | Distary | |
| | | | | Physical Education | _ |
| | | | | | |
| | | | | Special Use | |
| | | | | Audio Visual | Marrier . |
| | | | | Clinic | |
| | | | | Demonstration | _ |
| | | | | | |
| | | | | General Use | |
| | | | | Assembly | _ |
| | | | | Exhibition | - |
| | | | 55 | Food | |
| 21,400 | 3.20 | .94 | 1.21 | Recreation | _ |
| 535,000 | 80.20 | 23.52 | 30.32 | Supporting | |
| | | | | | _ |
| | | | | Shops | 78.4 |
| 32,100 | 4.80 | 1.41 | 1.82 | Physical Plant | 11.3 |
| 16,050 | 2.40 | .71 | .91 | | |
| | | | | Central Utility | _ |
| 48,150 | 7.20 | 2.12 | 2.73 | | |
| | | | | Total NASF | 100.0 |
| 10,000 | 1.50 | .44 | .57 | Non-Assignable | |
| 73,600 | 11.00 | 3.24 | 4.17 | Custodial | |
| | | | | Circulation | |
| 83,600 | 12.50 | 3.67 | 4.74 | Mechanical | |
| | | | | Rest Room | |
| 666,750 | 100.00 | 29.31 | 37.78 | Unassignable | |
| | 21,400 535,000 32,100 16,050 48,150 10,000 73,600 83,600 | 21,400 3.20 535,000 80.20 32,100 4.80 16,050 2.40 48,150 7.20 10,000 1.50 73,600 11.00 83,600 12.50 | COST \$/GSF 21,400 3.20 .94 535,000 80.20 23.52 32,100 4.80 1.41 16,050 2.40 .71 48,150 7.20 2.12 10,000 1.50 .44 73,600 11.00 3.24 83,600 12.50 3.67 | COST \$/GSF \$/NASF 21,400 3,20 .94 1.21 535,000 80,20 23,52 30,32 32,100 4,80 1,41 1,82 16,050 2,40 .71 .91 48,150 7,20 2,12 2,73 10,000 1,50 .44 .57 78,600 11,00 3,24 4,17 83,600 12,50 3,67 4,74 | COST S/GSF S/NASF USE CATEGORY |

Maintenance Buildings Additions

PROJECT NAME:

SUPERINTENDENTS BLDG. ADDN.

PROJECT NUMBER: TO018 BUILDING TYPE:

MAINT & CENT SERV

PROJECT TYPE:

ADDITION

UACP CODE: SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF:

44,068

GSF: NASF/GSF: 65,868 .67

TENDER/ESTIMATE DATE: 06/64

CONSTRUCTION TIME: 08/64 - 08/65

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 5,186 | .40 | .08 | .12 | Classroom | _ |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | | vision . | _ | _ | Special Purpose | |
| Site Development | 5,186 | .40 | .08 | .12 | Research | _ |
| Indicat & Carl Fan | | | | | Laboratory | _ |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Libuaur | _ |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Physical Education | - Administra |
| Cash Allowance | | | | | In sical Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 727,333 | 53.90 | 11.04 | 16.50 | Audio Visual | |
| uilding Cost | 727,333 | 53.90 | 11.04 | 16.50 | Clinic | |
| | • | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | 326,702 | 24.20 | 4.96 | 7.41 | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | 97,481 | 7.20 | 1.48 | Ž.21 | Food | _ |
| Fed. Sales Tax Rebate | 43,546 | 3.20 | .66 | .99 | Recreation | _ |
| ub-Total 'A' | 1,113,156 | 82.50 | 16.90 | 25.26 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 116,770 | 8.70 | 1.77 | 2.65 | Physical Plant | _ |
| Miscellaneous | 7,854 | .60 | .12 | .18 | | |
| | | | | | Central Utility | - |
| ub-Total 'B' | 124,624 | 9.20 | 1.89 | 2.83 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 111,765 | 8.30 | 1.70 | 2.54 | Non-Assignable | |
| Equipment | _ | _ | _ | | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 111,765 | 8.30 | 1.70 | 2.54 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 1,349,545 | 100.00 | 20.49 | 30.62 | Unassignable | |

PROJECT NAME:

CENTRAL SERVICES COMPLEX-ADD

PROJECT NUMBER: WA070

USE CATEGORY TYPE:

GSF: NASF/GSF: 23,789 29,470

BUILDING TYPE: MAINT & CENT SERV

TENDER/ESTIMATE DATE: 10/70

NASF:

.81

PROJECT TYPE: ADDITION UACP CODE:

CONSTRUCTION TIME: 11/70 - 11/71 MARKET CONDITION:

SLACK

7-1 SUBMISSION DATE: 11/70

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | 4.00 | | |
| Building Equipment | 29,157 | 3.40 | .99 | 1.23 | Physical Education | |
| Cash Allowance | 13,400 | 1.60 | .45 | .56 | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 433,774 | 50.20 | 14.72 | 18.23 | Audio Visual | |
| Building Cost | 476,331 | 55.20 | 16.16 | 20.02 | Clinic | Ξ. |
| n | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 185 000 | 20.30 | 5.95 | 7.37 | | |
| 1echanical | 175,388 | 20.30 | 0.90 | 1.51 | Assembly Exhibition | |
| F31 - 4 1 3 | 47,762 | 5.50 | 1.62 | 2.01 | Food | _ |
| Electrical Fed. Sales Tax Rebate | 20,984 | 2.40 | .71 | .88 | Recreation | _ |
| red. Sales Tax Rebate | 20,964 | 2.40 | . / 1 | .00 | Recreation | |
| ub-Total 'A' | 678,497 | 78.60 | 23.02 | 28.52 | Supporting | |
| ub-Total A | 070,491 | 10.00 | 20.02 | 20.02 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 47,495 | 5.50 | 1.61 | 2.00 | Physical Plant | |
| Miscellaneous | 20,355 | 2.40 | .69 | .86 | I II J SICOI I IOII V | |
| Miscenaneous | 20,000 | | | | Central Utility | _ |
| Sub-Total 'B' | 67,850 | 7.90 | 2.30 | 2.85 | Contract Country | |
| oub Total B | 0.,000 | 1.00 | 2.00 | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | 21,500 | 2.50 | .73 | .90 | Non-Assignable | |
| Equipment | 95,500 | 11.10 | 3.24 | 4.01 | Custodial | |
| 4. 04 00 0 1 1 1 0 0 0 0 0 | | | | | Circulation | |
| Sub-Total 'C' | 117,000 | 13.60 | 3.97 | 4.92 | Mechanical | |
| | , | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 863,347 | 100.00 | 29.30 | 36.29 | Unassignable | |

PROJECT NAME:

SERVICE BUILDING ADDITIONS 1970

PROJECT NUMBER: WE036 BUILDING TYPE:

MAINT & CENT SERV

PROJECT TYPE: UACP CODE:

ADDITION

7-1 SUBMISSION DATE: 04/71

USE CATEGORY TYPE:

NASF: GSF:

22,439

NASF/GSF:

30,090 .75

TENDER/ESTIMATE DATE: 03/71

CONSTRUCTION TIME:

04/71 - 10/71

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 26,550 | 3.80 | .88 | 1.18 | | |
| Alter'ns & Renova'ns | 3,250 | .50 | .11 | .14 | Special Purpose | |
| ite Development | 29,800 | 4.30 | .99 | 1.33 | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 32.8 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 4,600 | .70 | .15 | .21 | Physical Education | _ |
| Cash Allowance | 30,595 | 4.40 | 1.02 | 1.36 | | |
| Built-in Equipment | - | _ | _ | | Special Use | |
| Architectural | 380,150 | 54.70 | 12.63 | 16.94 | Audio Visual | _ |
| uilding Cost | 415,345 | 59.70 | 13.80 | 18.51 | Clinic | _ |
| 701 1: 0 70 1 | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 110 750 | 10.00 | 0.00 | F 00 | General Use | |
| echanical | 116,750 | 16.80 | 3.88 | 5.20 | Assembly | _ |
| F214-11 | 57,200 | 8.20 | 1.90 | 2,55 | Exhibition | |
| Electrical | 17,295 | 2.50 | .57 | | Food | 2.4 |
| Fed. Sales Tax Rebate | 17,295 | 2.50 | ,01 | .77 | Recreation | _ |
| ub-Total 'A' | 601,800 | 86.50 | 20.00 | 26.82 | Supporting | |
| ab-10tal A | 001,000 | 00.00 | 20.00 | 20.02 | | _ |
| | | | | | Data Processing Shops | _ |
| Fees | 42,200 | 6.10 | 1.40 | 1.88 | Physical Plant | 64.8 |
| Miscellaneous | 16,000 | 2.30 | .53 | .71 | rnysical riant | 04.0 |
| Miscellancous | | | | *** | Central Utility | _ |
| ab-Total 'B' | 58,200 | 8.40 | 1.93 | 2.59 | Central Culity | |
| 2002 | | | | | Total NASF | 100.0% |
| | | | | | 10441117151 | |
| Furniture | 30,000 | 4.30 | 1.00 | 1.34 | Non-Assignable | |
| Equipment | 5,500 | .80 | .18 | .25 | Custodial | |
| | · · | | | | Circulation | |
| ub-Total 'C' | 35,500 | 5.10 | 1.18 | 1.58 | Mechanical | |
| | , | | | | Rest Room | |
| | | | | | 1000 1000111 | |
| otal Project Cost | 695,500 | 100.00 | 23.11 | 31.00 | Unassignable | |
| | 000,000 | 100,00 | | 01.00 | | |

Maintenance Buildings Alterations

PROJECT NAME:

CENTRAL SERVICES COMPLEX — ALTER

PROJECT NUMBER: WA075 BUILDING TYPE:

USE CATEGORY TYPE:

NASF:

GSF: NASF/GSF: 15,520

PROJECT TYPE:

UACP CODE: SUBMISSION DATE: 02/71

ALTERATION 7-1

MAINT & CENT SERV

TENDER/ESTIMATE DATE: 10/70

CONSTRUCTION TIME: 11/70 - 07/71

MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | <u> </u> |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 49,023 | 35.00 | 3.16 | 6-com | Audio Visual | Adminis |
| Building Cost | 49,023 | 35.00 | 3.16 | - | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 46,850 | 33.50 | 3.02 | _ | Assembly | _ |
| viccianica: | 40,000 | 00.00 | 0.02 | | Exhibition | _ |
| Electrical | 28,000 | 20,00 | 1.80 | _ | Food | _ |
| Fed. Sales Tax Rebate | | _ | _ | - | Recreation | - |
| | | | | | | |
| Sub-Total 'A' | 123,873 | 88.50 | 7.98 | _ | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 12,387 | 8.80 | .80 | _ | Physical Plant | |
| Miscellaneous | 3,716 | 2.70 | .24 | _ | | _ |
| 2.2.00.4.2.005 | 10.100 | 11 50 | 1.04 | | Central Utility | |
| Sub-Total 'B' | 16,103 | 11.50 | 1.04 | | Total NASF | 0.0% |
| | | | | | Total NASF | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Danpineno | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Fotol Project Cost | 120.073 | 100.00 | 0.00 | | Unassignable | |
| Total Project Cost | 139,976 | 100.00 | 9.02 | | Unassignable | |

PROJECT NAME:

ADDITIONS & ALTERATIONS TO CENTRAL SER

PROJECT NUMBER: WA053

SUBMISSION DATE: 03/69

USE CATEGORY TYPE:

BUILDING TYPE: PROJECT TYPE:

MAINT & CENT'SERV ALTERATION

UACP CODE:

7-1

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 02/69

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop, (Incl.) | _ | _ | | | | |
| Alter'ns & Renova'ns | 8,697 | 11.30 | | _ | Special Purpose | |
| ite Development | _ | | _ | _ | Research | _ |
| | | | | | Laboratory | - |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | 13,897 | 18.10 | _ | | Physical Education | _ |
| Cash Allowance | _ | _ | _ | _ | | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 14,107 | 18.30 | _ | | Audio Visual | _ |
| uilding Cost | 28,004 | 36.40 | _ | _ | Clinic | _ |
| Disconlainer & Dunis | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 2 700 | 4.00 | | | General Use | |
| echanical | 3,720 | 4.80 | _ | Milledia | Assembly | - |
| Electrical | 35,506 | 46.10 | | | Exhibition | _ |
| Fed. Sales Tax Rebate | 1,050 | 1.40 | | _ | Food | |
| red. Sales Tax Rebate | 1,050 | 1.40 | | | Recreation | - |
| ub-Total 'A' | 66,180 | 86.00 | | | Supporting | |
| 20 10tul /1 | 00,100 | 00.00 | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 4,493 | 5.80 | _ | _ | Physical Plant | _ |
| Miscellaneous | 2,246 | 2.90 | _ | _ | i ny sicai i iant | |
| | | | | | Central Utility | _ |
| ab-Total 'B' | 6,739 | 8.80 | | _ | Contrar Country | |
| | -, | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | 4,060 | 5.30 | _ | _ | Non-Assignable | |
| Equipment | | maddeline. | _ | _ | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | | - | _ | _ | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 76,979 | 100.00 | _ | _ | Unassignable | |
| our roject oost | 10,575 | 100.00 | _ | | Unassignable | |

Physical Education Buildings

PHYSICAL EDUCATION CENTRE PHASE 1

PROJECT NUMBER: BR028

BUILDING TYPE: PHYSICAL EDUCATION

PROJECT TYPE: NEW BUILDING

UACP CODE: 3 SUBMISSION DATE: 07/71

PROJECT NAME:

USE CATEGORY TYPE:

PHYSICAL EDUCATION

500

22/SEP/71

NASF: GSF:

55,810 80,765 .69

NASF/GSF: TENDER/ESTIMATE DATE:

07/71

CONSTRUCTION TIME:

08/71 - 11/72

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | | Classroom | 5.7 |
| Site Develop. (Incl.) | 9,820 | .30 | .12 | .18 | | |
| Alter'ns & Renova'ns | | untend | _ | _ | Special Purpose | |
| Site Development | 9,820 | .30 | .12 | .18 | Research | |
| 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | | | | | Laboratory | 1.4 |
| Indirect & Gen'l Exp | 246,470 | 8.60 | 3.05 | 4.42 | Dry Lab | |
| Substructure | 57,722 | 2.00 | .71 | 1.03 | Wet Lab | |
| Horizontal Elements | 479,264 | 16.60 | 5.93 | 8.59 | Wet Dab | |
| Exterior Cladding | 227,628 | 7.90 | 2.82 | 4.08 | Office | 3.9 |
| Int. Vert. Elements | 143,839 | 5.00 | 1.78 | 2.58 | Office | • |
| Multi-Storey Elements | 9,752 | .30 | .12 | .17 | Library | |
| Interior Finishes | 253,441 | 8.80 | 3.14 | 4.54 | Library | |
| Building Equipment | 255,441 85,020 | 3.00 | 1.05 | 1.52 | Discorded Discording | 86.5 |
| | 76,750 | 2.70 | .95 | 1.38 | Physical Education | 80.5 |
| Cash Allowance | * | | | | | |
| Built-in Equipment | 29,485 | 1.00 | .37 | .53 | Special Use | _ |
| Architectural | 4 000 084 | == 00 | 40.00 | 00.04 | Audio Visual | _ |
| Building Cost | 1,609,371 | 55.90 | 19.93 | 28.84 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | 150,746 | 5.20 | 1.87 | 2.70 | | |
| Heat. Vent. & Cond. | 439,007 | 15.20 | 5.44 | 7.87 | General Use | |
| Mechanical | 589,753 | 20.50 | 7.30 | 10.57 | Assembly | _ |
| | | | | | Exhibition | - |
| Electrical | 306,130 | 10.60 | 3.79 | 5.49 | Food | 0.5 |
| Fed. Sales Tax Rebate | 75,158 | 2.60 | .93 | 1.35 | Recreation | 2.1 |
| Sub-Total 'A' | 2,439,916 | 84.70 | 30.21 | 43.72 | Supporting | |
| | | | | | Data Processing | - |
| | | | | | Shops | _ |
| Fees | 186,000 | 6.50 | 2.30 | 3.33 | Physical Plant | _ |
| Miscellaneous | 112,000 | 3.90 | 1.39 | 2.01 | | |
| | , | | | | Central Utility | |
| Sub-Total 'B' | 298,000 | 10.30 | 3.69 | 5.34 | o onition of thirty | |
| 10011 | 200,000 | 20.00 | 0.00 | 0.02 | Total NASF | 100.0 |
| Furniture | 35,281 | 1.20 | .44 | .63 | NY Ai | |
| | · · | | 1.33 | 1.92 | Non-Assignable | |
| Equipment | 107,171 | 3.70 | 1.00 | 1.52 | Custodial | |
| 11. M-41.(C) | 142,452 | 4.90 | 1.76 | 2.55 | Circulation | |
| Sub-Total 'C' | 172,702 | 7.00 | 2.10 | 2.00 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,880,368 | 100.00 | 35.66 | 51.61 | Unassignable | |

22/SEP/71

NASF:

GSF:

PROJECT NAME:

UACP CODE:

ADDITIONAL ATHLETIC FACILITIES 1971

PROJECT NUMBER: CA071

PHYSICAL EDUCATION

BUILDING TYPE: PROJECT TYPE:

NEW BUILDING

SUBMISSION DATE: 05/71

USE CATEGORY TYPE:

500

PHYSICAL EDUCATION

NASF/GSF: TENDER/ESTIMATE DATE:

05/71

CONSTRUCTION TIME:

02/72 - 09/73

60,900

.59

103,530

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|---|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns ite Development | | | | | Research | annula. |
| te Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 5:8 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | 94.2 |
| Cash Allowance | | | | | C | |
| Built-in Equipment | | | | | Special Use Audio Visual | - |
| Architectural uilding Cost | 2,550,000 | 85.60 | 24.63 | 41.87 | Clinic | _ |
| maing Cost | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | | | | | Assembly | _ |
| 5034434545 | | | | | Exhibition | |
| Electrical | | | | • | Food | - |
| Fed. Sales Tax Rebate | 76,500 | 2.60 | .74 | 1.26 | Recreation | _ |
| ab-Total 'A' | 2,473,500 | 83.10 | 23.89 | 40.62 | Supporting | |
| 10-10tal A | 2,475,500 | 00.10 | 20.00 | 20.02 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | |
| | | | | | Central Utility | _ |
| ıb-Total 'B' | 247,350 | 8.30 | 2.39 | 4.06 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 66,950 | 2.20 | .65 | 1.10 | Non-Assignable | |
| Equipment | 190,050 | 6.40 | 1.84 | 3.12 | Custodial | |
| | | | | | Circulation | |
| ıb-Total 'C' | 257,000 | 8.60 | 2.48 | 4.22 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,977,850 | 100.00 | 28.76 | 48.90 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: MC011

PHYSICAL EDUCATION SCHOOL

PHYSICAL EDUCATION BUILDING TYPE: NEW BUILDING

PROJECT TYPE:

7-2 UACP CODE: SUBMISSION DATE: 11/67 USE CATEGORY TYPE:

PHYSICAL EDUCATION

500

NASF: GSF:

73,415 125,846 .58

NASF/GSF:

08/64

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

MARKET CONDITION:

11/64 - 08/66

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-------------------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | 83,869 | 2.90 | .67 | 1.14 | Classroom | 1,9 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | _ | | | _ | Special Purpose | |
| te Development | 83,869 | 2.90 | .67 | 1.14 | Research | _ |
| | | | | | Laboratory | 2:2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 11.4 |
| Int. Vert. Elements | | | | | 011100 | **** |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | 0.542 | 0.0 | 0.11 | 4.0 | DI (183 () | |
| Building Equipment Cash Allowance | 9,340 30, 890 | .30 1.10 | .07 .25 | .13 .42 | Physical Education | 77.7 |
| Built-in Equipment | 95,600 | 3.30 | .25 .76 | 1.30 | Special Use | |
| Architectural | 1,491,083 | 51.40 | 11.85 | 20.31 | Audio Visual | 0.6 |
| uilding Cost | 1,626,913 | 56.10 | 12.93 | 22.16 | Clinic | |
| DI 1: 0 D 1 | | | | | Demonstration | _ |
| Plumbing & Drains Heat, Vent, & Cond. | | | | | General Use | |
| echanical | 541,325 | 18.70 | 4.30 | 7.37 | Assembly | |
| | 011,020 | 20.10 | 4.00 | | Exhibition | _ |
| Electrical | 222,955 | 7.70 | 1.77 | 3.04 | Food | 0.2 |
| Fed. Sales Tax Rebate | | | | | Recreation | 2.9 |
| b-Total 'A' | 2,475,062 | 85.40 | 19.67 | 33.71 | Supporting | |
| | | | | | Data Processing | |
| _ | | | | | Shops | 3.1 |
| Fees Miscellaneous | 143,472 21.035 | 4.90 | 1.14 | 1.95 | Physical Plant | _ |
| Miscellaneous | 21.030 | .70 | .17 | .29 | Central Utility | _ |
| b-Total 'B' | 164,507 | 5.70 | 1.31 | 2.24 | O THE OWNER OF THE OWNER OWNER OF THE OWNER | |
| | | | | | Total NASF | 100.0 |
| Furniture | 52,631 | 1.80 | .42 | .72 | Non-Assignable | |
| Equipment | 207,300 | 7.10 | 1.65 | 2.82 | Custodial | |
| | 040.004 | 0.00 | 0.05 | | Circulation | |
| b-Total 'C' | 259,931 | 9.00 | 2.07 | 3.54 | Mechanical | |
| | | | | | Rest Room | |
| tal Project Cost | 2,899,500 | 100.00 | 23.04 | 39.49 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: OT004

PHYSICAL EDUCATION BUILDING TYPE:

PROJECT TYPE: UACP CODE:

NEW BUILDING 7-1 SUBMISSION DATE: 09/70

PHYSICAL EDUCATION BUILDING

USE CATEGORY TYPE: PHYSICAL EDUCATION

500 220

22/SEP/71

NASF: GSF:

NASF/GSF:

MARKET CONDITION:

181,000 .66

NORMAL

120,000

06/70 TENDER/ESTIMATE DATE: 10/70 - 04/72CONSTRUCTION TIME:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|---------------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 26,532 126,000 | .40 2.00 | .15 .70 | .22 1.05 | Classroom | 3.4 |
| Alter'ns & Renova'ns ite Development | 152,532 | 2.40 | .84 | 1.27 | Special Purpose Research Laboratory | 2.0 41.7 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 5.7 |
| Multi-Storey Elements Interior Finishes | | | | | Library | *2.4 |
| Building Equipment Cash Allowance | 211,250 100,200 | 3.30 1.60 | 1.17 .55 | 1.76 .84 | Physical Education | 42.6 |
| Built-in Equipment Architectural | 39,280 3,783,229 | .60 59.40 | .22 20.90 | .33 31.53 | Special Use Audio Visual | 0.1 |
| uilding Cost Plumbing & Drains | 4,133,959 | 64.90 | 22.84 | 34.45 | Clinic Demonstration | |
| Heat. Vent. & Cond. | 854,100 | 13.40 | 4.72 | 7.12 | General Use Assembly | |
| Electrical | 680,941 | 10.70 | 3.76 | 5.67 | Exhibition Food | Ξ |
| Fed. Sales Tax Rebate | 173,850 | 2.70 | .96 | 1.45 | Recreation | 2.2 |
| ub-Total 'A' | 5,647,682 | 88.70 | 31.20 | 47.06 | Supporting Data Processing | _ |
| Fees | 421,892 | 6.60 | 2,33 | 3.52 | Shops Physical Plant | |
| Miscellaneous | 101,450 | 1.60 | .56 | .85 | Central Utility | _ |
| ub-Total 'B' | 523,342 | 8.20 | 2.89 | 4.36 | 2 | 100.0 |
| | 145,000 | 2.30 | .80 | 1.21 | Total NASF | 100.0 |
| Furniture Equipment | 50,000 | .80 | .28 | .42 | Non-Assignable Custodial | |
| b-Total 'C' | 195,000 | 3.10 | 1.08 | 1.63 | Circulation Mechanical Rest Room | |
| otal Project Cost | 6,366,024 | 100.00 | 35.17 | 53.05 | Unassignable | |

PROJECT NAME: PHYSICAL EDUCATION COMPLEX 1967

PROJECT NUMBER:

PHYSICAL EDUCATION BUILDING TYPE: NEW BUILDING PROJECT TYPE:

UACP CODE: 7-1

Site Develop. (Excl.)

Site Develop. (Incl.)

Alter'ns & Renova'ns

Indirect & Gen'l Exp Substructure

Horizontal Elements

Exterior Cladding Int. Vert. Elements Multi-Storey Elements

Interior Finishes

Cash Allowance

Architectural

Electrical

Building Cost

Mechanical

Sub-Total 'A'

Sub-Total 'B'

Sub-Total 'C'

Total Project Cost

Fees

Miscellaneous

Furniture

Equipment

Building Equipment

Built-in Equipment

Plumbing & Drains

Heat. Vent. & Cond.

Fed. Sales Tax Rebate

SUBMISSION DATE: 03/69

COST ELEMENT

Site Development

ACTUAL

COST

15,000

73,469

40,024

55,164

141,765

2,867,024

3,063,953

1.000.962

510,400

195,809

4,507,999

330,311

150,141

480,452

85,000

252,800

337,800

5,326,251

128,493

USE CATEGORY TYPE: PHYSICAL EDUCATION

500

COST

.30

1.40

2.40

1.00

2.70

1.60

4.70

6.30

100.00

.35

1.04

1.39

21.85

.58

1.72

2.30

36.22

.80

22/SEP/71

NASF:

GSF: NASF/GSF:

02/69

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

03/69 - 05/70SLACK

147,042

243,820

.60

% OF TOTAL ACTUAL % OF TOTAL ACTUAL \$/GSF \$/NASF USE CATEGORY NASF AREA 1.5 .06 .10 Classroom .30 .50 .27 Special Purpose .16 8.0 Research .53 .87 1.2 Laboratory Dry Lab Wet Lab Office 5.0 Library .38 Physical Education 91.5 .23 .96 .58 Special Use Audio Visual 53.80 11.76 19.50 Clinic 12.57 20.84 57.50 Demonstration General Use 18.80 4.11 6.81 Assembly Exhibition 9.60 2.09 3.47 Food .80 1.33 Recreation 3.70 18.49 30.66 Supporting 84.60 **Data Processing** Shops 6.20 1.35 2.25 Physical Plant .62 1.02 2.80 Central Utility 9.00 1.97 3.27 100.0 Total NASF

Non-Assignable

Unassignable

Custodial

Circulation

Mechanical Rest Room

ATHLETICS & PHYSICAL EDUCATION

PROJECT NAME: PROJECT NUMBER: WA014

BUILDING TYPE:

PROJECT TYPE:

UACP CODE:

PHYSICAL EDUCATION NEW BUILDING

7 - 1SUBMISSION DATE: 11/68 USE CATEGORY TYPE: PHYSICAL EDUCATION

500

22/SEP/71

NASF: GSF:

108,788 144,395 .75

NASF/GSF: TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

09/66 09/66 - 12/68

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | | | | _ | Classroom | 3.1 |
| Site Develop. (Incl.) | 47,583 | 1.20 | .33 | .44 | | |
| Alter'ns & Renova'ns | ana.m | | - | | Special Purpose | |
| Site Development | 47,583 | 1.20 | .33 | .44 | Research | |
| | | | | | Laboratory | 4.6 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 6.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | 4.0# | D1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0.4.0 |
| Building Equipment | 114,500 | 2.80 | .79 | 1.05 | Physical Education | 81.8 |
| Cash Allowance | 54,750 | 1.30 | .38 | .50 | Special Use | |
| Built-in Equipment | | _ | - | | Audio Visual | 0.3 |
| Architectural | 2,279,000 | 55.40 | 15.78 | 20.95 22.50 | Clinic | 3.0 |
| Building Cost | 2,448,250 | 59.50 | 16.96 | 22.50 | Demonstration | _ |
| m 11 of mot | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat, Vent. & Cond. Mechanical | 671,337 | 16.30 | 4.65 | 6.17 | Assembly | _ |
| wechanical | 011,001 | 10.00 | 2.00 | 0121 | Exhibition | _ |
| Electrical | 498,000 | 12.10 | 3.45 | 4:58 | Food | solution (|
| Fed. Sales Tax Rebate | 146,607 | 3.60 | 1.02 | 1.35 | Recreation | 0.7 |
| red, bares tax trebate | 220,000 | **** | | | | |
| Sub-Total 'A' | 3,518,563 | 85.50 | 24.37 | 32.34 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 219,910 | 5.30 | 1.52 | 2.02 | Physical Plant | _ |
| Miscellaneous | 109,955 | 2.70 | .76 | 1.01 | | questiti. |
| | | | | | Central Utility | tudii. |
| Sub-Total 'B' | 329,865 | 8.00 | 2.28 | 3.03 | m / >>/ AGE | 100.0 |
| | | | | | Total NASF | 100.0 |
| | | | | | Non-Assignable | |
| Furniture | | | | | Custodial | |
| Equipment | | | | | Circulation | |
| 2 2 7 1 1 1 1 1 1 1 | 265,000 | 6.40 | 1.84 | 2.44 | Mechanical | |
| Sub-Total 'C' | 200,000 | 0.10 | 2.02 | | Rest Room | |
| | | | | | 10000 1000 411 | |
| Total Project Cost | 4,113,428 | 100.00 | 28.49 | 37.81 | Unassignable | |
| total rioject cost | 2,110,220 | 100.00 | 20.20 | 0 | | |

PROJECT NAME: SCHOOL OF PHYSICAL EDUCATION - 67

PROJECT NUMBER: WI019

SUBMISSION DATE: 11/68

BUILDING TYPE: PHYSICAL EDUCATION PROJECT TYPE: NEW BUILDING

UACP CODE:

7 - 2

22/SEP/71

NASF:

GSF:

53,736 82,840 .65

NASF/GSF:

03/67

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

03/67 - 09/68

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) | 4,361 | .10 | .05 | .08 | Classroom | 6.0 |
| Site Develop. (Incl.) | 84,547 | 2.80 | 1.02 | 1.57 | | |
| Alter'ns & Renova'ns | - | _ | | | Special Purpose | |
| Site Development | 88,908 | 2.90 | 1.07 | 1.65 | Research | 1.0 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | 7.5 |
| Exterior Cladding Int, Vert. Elements | | | | | Office | 12.4 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 0.9 |
| Building Equipment | 78,869 | 2.60 | .95 | 1.47 | Physical Education | 68.4 |
| Cash Allowance | 86,161 | 2.80 | 1.04 | 1.60 | | |
| Built-in Equipment | 92,883 | 3.00 | 1.12 | 1.73 | Special Use | |
| Architectural | 1,295,874 | 42.20 | 15.64 | 24.12 | Audio Visual | 0.5 |
| uilding Cost | 1,553,787 | 50.60 | 18.76 | 28.92 | Clinic | graph. |
| | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 609,326 | 19.90 | 7.36 | 11.34 | Assembly | _ |
| | | | | | Exhibition | - |
| Electrical | 263,893 | 8.60 | 3.19 | 4.91 | Food | T. |
| Fed. Sales Tax Rebate | 104,330 | 3.40 | 1.26 | 1.94 | Recreation | 1.7 |
| ub-Total 'A' | 2,411,584 | 78.60 | 29.11 | 44.88 | Supporting | |
| | | | | | Data Processing | 0.1 |
| | | | | | Shops | _ |
| Fees | 151,225 | 4.90 | 1.83 | 2.81 | Physical Plant | 1.0 |
| Miscellaneous | 6,541 | .20 | .08 | .12 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 157,766 | 5.10 | 1.90 | 2.94 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 345,000 | 11.20 | 4.16 | 6.42 | Non-Assignable | |
| Equipment | 155,000 | 5.00 | 1.87 | 2.88 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 500,000 | 16.30 | 6.04 | 9.30 | Mechanical | |
| | | | | | Rest Room | |
| Fotal Project Cost | 3,069,350 | 100.00 | 37.05 | 57.12 | Unassignable | |

22/SEP/71

PROJECT NAME:

PHYSICAL EDUCATION & RECREATION CENTRE

PROJECT NUMBER: Y0028 BUILDING TYPE:

PHYSICAL EDUCATION

USE CATEGORY TYPE: PHYSICAL EDUCATION

500

PROJECT TYPE: UACP CODE:

NEW BUILDING

7 - 2

SUBMISSION DATE: 01/68

NASF: GSF:

63,420 96,840 .65

NASF/GSF:

TENDER/ESTIMATE DATE: 08/65 CONSTRUCTION TIME: 10/65 - 07/67

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 2.1 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | 7.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 2.9 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | 0.00 | | 4.00 | *** | 0.00 |
| Building Equipment | 77,550 | 3.20 | .80 | 1.22 | Physical Education | 86.8 |
| Cash Allowance | 27,115 | 1.10 | .28 | .43 | | |
| Built-in Equipment | - | _ | _ | | Special Use | |
| Architectural | 1,357,588 | 55.20 | 14.02 | 21.41 | Audio Visual | _ |
| Building Cost | 1,462,253 | 59.50 | 15.10 | 23.06 | Clinie | - |
| Discorbing 6 Desire | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 407,700 | 16.60 | 4.21 | 6.43 | General Use | |
| Mechanical | 407,700 | 16.60 | 4.21 | 0.43 | Assembly | |
| Electrical | 282,293 | 11.50 | 2.92 | 4:45 | Exhibition Food | |
| Fed. Sales Tax Rebate | 95,119 | 3.90 | .98 | 1.50 | - | 1.2 |
| red. Sales Tax Rebate | 33,113 | 0.50 | .90 | 1.50 | Recreation | A.4 |
| Sub-Total 'A' | 2,057,127 | 83,70 | 21.24 | 32.44 | Supporting | |
| oud-10tal A | 2,001,121 | 00.10 | 41.41 | 02.11 | Data Processing | _ |
| | | | | | Shops | \equiv |
| Fees | 137,994 | 5.60 | 1.42 | 2.18 | Physical Plant | |
| Miscellaneous | 29,500 | 1.20 | .30 | .47 | r nysicai r iant | |
| Miscellaneous | 20,000 | 21.00 | | *** | Central Utility | |
| ub-Total 'B' | 167,494 | 6.80 | 1.73 | 2.64 | Contrat Country | |
| ab I oui b | | 0.00 | | | Total NASF | 100.0 |
| | | | | | 100a 11110a | 100.0 |
| Furniture | 79,397 | 3.20 | .82 | 1.25 | Non-Assignable | |
| Equipment | 153,782 | 6.30 | 1.59 | 2.42 | Custodial | |
| - Jackson | 200,.02 | 0.00 | 2.00 | | Circulation | |
| ub-Total 'C' | 233,179 | 9.50 | 2.41 | 3.68 | Mechanical | |
| | 200,110 | 0.00 | W. T. | 0.00 | Rest Room | |
| | | | | | 2000 2000 200 | |
| Cotal Project Cost | 2,457,800 | 100.00 | 25.38 | 38.75 | Unassignable | |
| | 2,-2.,500 | | | | | |

ICE FACILITIES PROJECT NAME:

PROJECT NUMBER: YOO37 PHYSICAL EDUCATION BUILDING TYPE:

NEW BUILDING PROJECT TYPE:

7 - 2UACP CODE:

SUBMISSION DATE: 10/70

22/SEP/71

NASF:

GSF: NASF/GSF: TENDER/ESTIMATE DATE:

07/67 08/67 - 11/68

24,852

30,248

.82

CONSTRUCTION TIME:

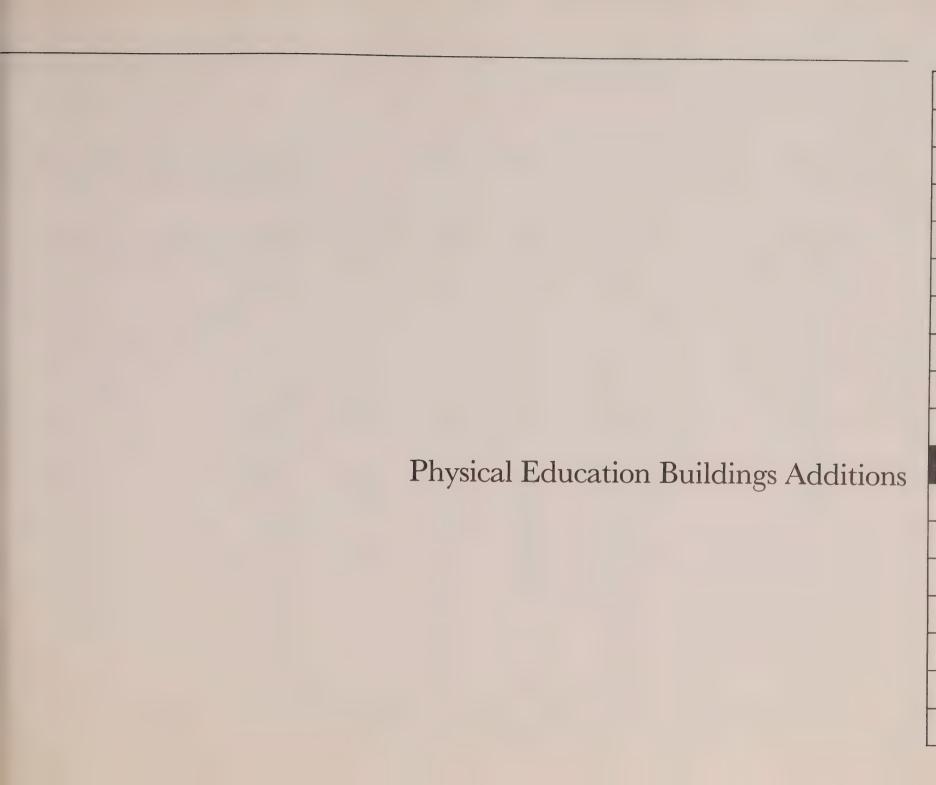
MARKET CONDITION:

| ST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns | | | | | Research | _ |
| e Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 0.4 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | 00.6 |
| Building Equipment | | | auton | | Physical Education | 99.6 |
| Cash Allowance | 5,500 | .90 | .18 | .22 | 0 | |
| Built-in Equipment | _ | F0.00 | 10.40 | 15.20 | Special Use Audio Visual | _ |
| Architectural | 377,628 | 59.00 59.90 | 12.48 12.67 | 15.42 | Clinic | |
| ulding Cost | 383,128 | 99.90 | 12.01 | 10.42 | Demonstration | _ |
| Plumbing & Drains | | | | | 2011011011011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 165,964 | 25.90 | 5.49 | 6.68 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 48,231 | 7.50 | 1.59 | 1.94 | Food | - |
| Fed. Sales Tax Rebate | 23,893 | 3.70 | .79 | .96 | Recreation | - |
| | 573,430 | 89.60 | 18.96 | 23.07 | Supporting | |
| ab-Total 'A' | 373,400 | 65.00 | 10.00 | 20.01 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 35,839 | 5.60 | 1.18 | 1.44 | Physical Plant | _ |
| Miscellaneous | 14,375 | 2.20 | .48 | .58 | | |
| 272100011111111111111111111111111111111 | | | | | Central Utility | |
| ıb-Total 'B' | 50,214 | 7.80 | 1.66 | 2.02 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 7,056 | 1.10 | .23 | .28 | Non-Assignable | |
| Equipment | 9,000 | 1.40 | .30 | .36 | Custodial | |
| | | | | | Circulation | |
| ab-Total 'C' | 16,056 | 2.50 | .53 | .65 | Mechanical | |
| | | | | | Rest Room | |
| | 000 #00 | 100.00 | 01.15 | 25.74 | Unassignable | |
| otal Project Cost | 639,700 | 100.00 | 21.15 | 20.74 | Unassignable | |

USE CATEGORY TYPE:

PHYSICAL EDUCATION

500



PROJECT NAME: PROJECT NUMBER: CA022

GYMNASIUM ADDITION PHASE 1 1965

PHYSICAL EDUCATION

BUILDING TYPE: PROJECT TYPE:

ADDITION

UACP CODE: SUBMISSION DATE: 02/70

NASF:

GSF:

10,338 12,134

NASF/GSF:

TENDER/ESTIMATE DATE: 07/67 CONSTRUCTION TIME:

08/67 - 08/68

NORMAL MARKET CONDITION:

| 10,293 | | _ | | | |
|-----------|--|------------|--|--|--------------------------------|
| · · | | | _ | Classroom | - |
| | 2.60 | .85 | 1.00 | 0 110 | |
| | 2.60 | .85 | 1.00 | Special Purpose Research | _ |
| 10,293 | 2.60 | .00 | 1.00 | | - |
| | | | | | |
| | | | | Wet Lab | |
| | | | | | |
| | | | | Office | 1.7 |
| | | | | | |
| | | | | Library | |
| | | | | | |
| 3,750 | 1.00 | .31 | .36 | Physical Education | - |
| _ | - | | _ | | |
| _ | | | | | _ |
| | | | | | |
| 253,637 | 65.00 | 20.90 | 24.53 | | _ |
| | | | | Demonstration | |
| | | | | Ganaval II.ea | |
| ME 017 | 10.20 | 6.20 | 7 28 | | - |
| 15,211 | 19.50 | 0.20 | 7.20 | | - |
| 00.001 | 5.90 | 1.87 | 2.19 | | 39.4 |
| | | | | Recreation | 58.9 |
| 14,500 | 0.10 | 1.10 | | | |
| 347.338 | 89.00 | 28.63 | 33.60 | Supporting | _ |
| 0 1 1,000 | | | | Data Processing | |
| | | | | | _ |
| 21,710 | 5.60 | 1.79 | | Physical Plant | |
| 20,857 | 5.30 | 1.72 | 2.02 | | |
| | | | | Central Utility | |
| 42,567 | 10.90 | 3.51 | 4.12 | M-4-1 NI A C E | 100.0% |
| | | | | Total NASF | |
| | | | | Non-Assignable | |
| | | | | | |
| 167 | | ,01 | .02 | | |
| 167 | | .01 | .02 | Mechanical | |
| 101 | | .01 | .02 | Rest Room | |
| 390,072 | 100.00 | 32.15 | 37.73 | Unassignable | |
| | 3,750 — 249,887 253,637 75,217 22,691 14,500 347,338 21,710 20,857 42,567 — 167 167 | 3,750 1.00 | 3,750 1.00 .31 — — — 249,887 64.10 20.59 253,637 65.00 20.90 75,217 19.30 6.20 22,691 5.80 1.87 14,500 3.70 1.19 347,338 89.00 28.63 21,710 5.60 1.79 20,857 5.30 1.72 42,567 10.90 3.51 — — — 167 — .01 167 — .01 | 3,750 1.00 .31 .36 — — — — 249,887 64.10 20.59 24.17 253,637 65.00 20.90 24.53 75,217 19.30 6.20 7.28 22,691 5.80 1.87 2.19 14,500 3.70 1.19 1.40 347,338 89.00 28.63 33.60 21,710 5.60 1.79 2.10 20,857 5.30 1.72 2.02 42,567 10.90 3.51 4.12 — — — — 167 — .01 .02 167 — .01 .02 | Laboratory Dry Lab Wet Lab |

PROJECT NAME:

BENJAMIN F. AVERY ATH. BLDG.-68

PROJECT NUMBER: LA015 BUILDING TYPE:

PHYSICAL EDUCATION

PROJECT TYPE: ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 03/69

USE CATEGORY TYPE:

NASF: GSF:

21,704 40,367

NASF/GSF:

.54

TENDER/ESTIMATE DATE: 06/64 CONSTRUCTION TIME: 08/64 - 04/65

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|------------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 189,327 8,800 | 18.70 .90 | 4.69 | 8.72 .41 | Classroom | 11.9 |
| Alter'ns & Renova'ns ite Development | 198,127 | 19.50 | - 4.91 | 9.13 | Special Purpose | |
| | | | 1.01 | 3.10 | Research Laboratory | 3.2 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | 3.2 |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements | | | | | Office | 5.8 |
| Interior Finishes | | | | | Library | .6 |
| Building Equipment Cash Allowance | 25,900 15,750 | 2.60 1.60 | .64 .39 | 1.19 .73 | Physical Education | _ |
| Built-in Equipment Architectural | - 477,350 | 47.00 | _ | | Special Use | |
| uilding Cost | 519,000 | 51.10 | 11.83 12.86 | 21.99 | Audio Visual | 3.6 |
| | 015,000 | 31.10 | 12.80 | 23.91 | Clinic | .7 |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 136,800 | 13.50 | 3.39 | 6.30 | Assembly | <u></u> |
| | | | | • | Exhibition | .4 |
| Electrical | 68,200 | 6.70 | 1.69 | 3.14 | Food | 2.1 |
| Fed. Sales Tax Rebate | 21,984 | 2.20 | .54 | 1.01 | Recreation | 57.9 |
| ıb-Total 'A' | 900,143 | 88.70 | 22.30 | 41.47 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 56,310 | 5.50 | 1.00 | 0.50 | Shops | _ |
| Miscellaneous | 28,155 | 2.80 | 1.39 .70 | 2.59 | Physical Plant | 13.8 |
| | 20,230 | 2.00 | .70 | 1.30 | Control Mark | magazidi. |
| ıb-Total 'B' | 84,465 | 8.30 | 2.09 | 3.89 | Central Utility | - |
| | | | | | Total NASF | 100.0% |
| Furniture | 19,465 | 1.90 | .48 | .90 | Non-Assignable | |
| Equipment | 10,706 | 1.10 | .27 | .49 | Custodial | |
| ıb-Total 'C' | 30,171 | 3.00 | .75 | 1.39 | Circulation | |
| | 00,2.1 | 0.00 | .10 | 1.00 | Mechanical Rest Room | |
| otal Project Cost | 1,014,779 | 100.00 | 25.14 | 46.76 | Unassignable | |

PROJECT NAME:

PHYS. ED. FAC. ADDN.

PROJECT NUMBER: LA017

PHYSICAL EDUCATION

BUILDING TYPE: PROJECT TYPE:

ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 10/70 USE CATEGORY TYPE:

NASF:

GSF:

53,760 76,800 .70

NASF/GSF:

TENDER/ESTIMATE DATE: 09/70 CONSTRUCTION TIME:

09/70 -- 09/71

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | | _ | Classroom | 6.3 |
| Site Develop. (Exci.) Site Develop. (Incl.) | 28,100 | 1.00 | .37 | .52 | | |
| Alter'ns & Renova'ns | 49,600 | 1.70 | .65 | .92 | Special Purpose | |
| | 77,700 | 2.70 | 1.01 | 1.45 | Research | 4.1 |
| ite Development | 71,700 | 2 | | | Laboratory | 8.5 |
| T. N. A. B. Com N. France | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements | | | | | Office | 9.3 |
| Exterior Cladding | | | | | 011100 | |
| Int. Vert. Elements | | | | | Library | 7.5 |
| Multi-Storey Elements | | | .* | | 210-41 | |
| Interior Finishes | 00.000 | 3.20 | 1.20 | 1.72 | Physical Education | |
| Building Equipment | 92,200 | 5.60 | 2.10 | 3.00 | 1 11 Jicai Danowow | |
| Cash Allowance | 161,500 | 5,60 | | _ | Special Use | |
| Built-in Equipment | | 48.30 | 18.24 | 26.06 | Audio Visual | |
| Architectural | 1,401,200 | | 21.55 | 30.78 | Clinic | .6 |
| uilding Cost | 1,654,900 | 57.00 | 21.55 | 30.70 | Demonstration | |
| | | | | | Dellionsmanom | |
| Plumbing & Drains | | | | | General Use | |
| Heat, Vent. & Cond. | F 40 000 | 19.00 | 7.16 | 10.23 | Assembly | |
| Iechanical | 549,900 | 19.00 | 1.10 | 10.20 | Exhibition | |
| | 400.000 | 6,70 | 2.52 | 3.60 | Food | 8.5 |
| Electrical | 193,600 | | 1.65 | 2,35 | Recreation | 40.0 |
| Fed. Sales Tax Rebate | 126,500 | 4.40 | 1.00 | 2,00 | Recteation | 20.0 |
| | 0.040.000 | 81.00 | 30.59 | 43.71 | Supporting | |
| sub-Total 'A' | 2,349,600 | 81.00 | 30.33 | 20.11 | Data Processing | _ |
| | | | | | Shops | |
| _ | 040 700 | 8.50 | 3.21 | 4.59 | Physical Plant | 15.2 |
| Fees | 246,708 | 2.40 | .92 | 1.31 | 2 22 7 52 542 2 2002 | |
| Miscellaneous | 70,488 | 2.40 | .54 | 1.01 | Central Utility | _ |
| | 917 100 | 10.90 | 4.13 | 5.90 | Cintral Culity | |
| Sub-Total 'B' | 317,196 | 10.90 | 4,10 | 0.00 | Total NASF | 100.0% |
| | | | | | I GUAI IVAGI | |
| | 994 000 | 8.10 | 3.06 | 4.37 | Non-Assignable | |
| Furniture | 234,960 | 8,10 | | 4.01 | Custodial | |
| Equipment | | _ | 7 | | Circulation | |
| | 824.000 | 8.10 | 3.06 | 4.37 | Mechanical | |
| Sub-Total 'C' | 234,960 | 0.10 | 3.00 | 4.01 | Rest Room | |
| | | | | | Rest Room | |
| | 0.001 850 | 100.00 | 27 70 | E2 00 | Unassignable | |
| Total Project Cost | 2,901,756 | 100.00 | 37.78 | 53.98 | Ondssignable | |

PROJECT NAME:

PHYS ED ACADEMIC WING — ADDN

PROJECT NUMBER: MC065 BUILDING TYPE:

PHYSICAL EDUCATION

PROJECT TYPE:

ADDITION

UACP CODE: SUBMISSION DATE: 04/71

NASF:

40,580

GSF: NASF/GSF: 53,680 .76

TENDER/ESTIMATE DATE: 03/71

CONSTRUCTION TIME: 01/72 - 05/73

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 51,000 | 2.50 | _ .95 | _ 1.26 | Classroom | 5.9 |
| Alter'ns & Renova'ns | - | | _ | _ | Special Purpose | |
| Site Development | 51,000 | 2.50 | .95 | 1.26 | Research | |
| | | | | | Laboratory | 24.1 |
| Indirect & Gen'l Exp | | | | | Dry Lab | M.Z. T |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 1100 240 | |
| Exterior Cladding | | | | | Office | 3.5 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 1.5 |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural Building Cost | 1 7 00 000 | Mer an | | | Audio Visual | _ |
| building Cost | 1,562,000 | 75.40 | 29.10 | 38.49 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | | |
| Mechanical | | | | | General Use | |
| rechanical | | | | | Assembly | |
| Electrical | | | | | Exhibition | <u>_</u> |
| Fed. Sales Tax Rebate | | | | | Food | 64.9 |
| | | | | | Recreation | 04.5 |
| Sub-Total 'A' | 1,613,000 | 77.80 | 30.05 | 39.75 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | y | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 177,800 | 8.60 | 3.31 | 4.38 | | |
| | | | | | Total NASF | 99.9% |
| Furniture | 65,000 | 3.10 | 1.21 | 1.60 | | |
| Equipment | 217,000 | 10.50 | 4.04 | 5.35 | Non-Assignable | |
| Daupment | 217,000 | 10.00 | 4.04 | 0.00 | Custodial | |
| Sub-Total 'C' | 282,000 | 13.60 | 5.25 | 6.95 | Circulation | |
| | 202,000 | 10.00 | 0.40 | 0.00 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 2,072,800 | 100.00 | 38.61 | 51.08 | Unassignable | |
| | _,-,-,-,- | 200,00 | 00.01 | 01.00 | O maosignature | |

PROJECT NAME:

ROBINSON COLL. ATHLETIC FAC.

PROJECT NUMBER: TR038 BUILDING TYPE:

PHYSICAL EDUCATION

PROJECT TYPE:

ADDITION

UACP CODE: SUBMISSION DATE: 02/71

7-1

USE CATEGORY TYPE:

NASF:

GSF:

880 1,310 .67

NASF/GSF:

TENDER/ESTIMATE DATE: 02/71 CONSTRUCTION TIME:

04/71 - 06/71

MARKET CONDITION:

NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | _ |
| te Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | | | | | I II y Sicai Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 21,285 | 80.00 | 16.25 | 24.19 | Audio Visual | _ |
| uilding Cost | 21,285 | 80.00 | 16.25 | 24.19 | Clinic | _ |
| unung cost | , | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent, & Cond, | | | | | General Use | |
| lechanical | 1,900 | 7.10 | 1.45 | 2.16 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 1,799 | 6.80 | 1.37 | 2.04 | Food | _ |
| Fed. Sales Tax Rebate | 750 | 2.80 | .57 | .85 | Recreation | _ |
| ub-Total 'A' | 24,234 | 91.10 | 18.50 | 27.54 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 1,616 | 6.10 | 1.23 | 1.84 | Physical Plant | _ |
| Miscellaneous | 750 | 2.80 | .57 | .85 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 2,366 | 8.90 | 1.81 | 2.69 | | 0.0% |
| | | | | | Total NASF | 0.0% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 26,600 | 100.00 | 20.31 | 30.23 | Unassignable | |

Residences Buildings

22/SEP/71

PROJECT NAME:

2ND WOMENS RESIDENCE - DELAWARE COL.

USE CATEGORY TYPE:

NASF: GSF:

101,844

PROJECT NUMBER: WE010 BUILDING TYPE: RESIDENCES

NASF/GSF:

176,813 .58

PROJECT TYPE:

NEW BUILDING

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

03/65 04/65 - 10/67

UACP CODE:

7 - 2

BUSY

SUBMISSION DATE: 11/67

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | 2 | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements | | | • | • | Library | |
| Interior Finishes | | | | | Physical Education | |
| Building Equipment | | | | | i ily sicai Education | |
| Cash Allowance | | | | | Special Use | |
| Built-in Equipment | | | | | Audio Visual | |
| Architectural | | | | | Clinic | |
| uilding Cost | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Heat. Vent. & Cond. | | | | | Assembly | |
| dechanical | | | | | Exhibition | |
| Electrical | | | | | Food | |
| Fed. Sales Tax Rebate | | | | | Recreation | |
| red. Sales Tax Redate | | | | | | |
| ub-Total 'A' | 3,317,474 | 85.40 | 18.76 | 32.57 | Supporting | |
| ub-10tat A | 0,021,111 | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 210,000 | 5.40 | 1.19 | 2.06 | Physical Plant | |
| Miscellaneous | 23,800 | .60 | .13 | .23 | | |
| 17113C C11411C C 465 | | | | | Central Utility | |
| sub-Total 'B' | 233,800 | 6.00 | 1.32 | 2.30 | | |
| | | | | | Total NASF | |
| | | | | | | |
| Furniture | 333,000 | 8.60 | 1.88 | 3.27 | Non-Assignable | |
| Equipment | <u> </u> | _ | | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 333,000 | 8.60 | 1.88 | 3.27 | Mechanical | |
| | | | | | Rest Room | |
| | 3,884,274 | 100.00 | 21.97 | 38.14 | Unassignable | |
| Fotal Project Cost | 3,884,274 | 100.00 | 21.51 | 90.74 | O massignable | |

22/SEP/71

PROJECT NAME:

RESIDENCE PHASE 1 - 66

PROJECT NUMBER: WI016 BUILDING TYPE:

RESIDENCES

PROJECT TYPE:

NEW BUILDING

UACP CODE: 7 - 2SUBMISSION DATE: 11/67

USE CATEGORY TYPE:

NASF: GSF:

40,350 86,427

NASF/GSF:

.47

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

09/66 09/66 - 09/67

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|------------------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 15,000 | .80 | .17 | .37 | Classroom | |
| Alter'ns & Renova'ns | _ | | | | | |
| Site Development | 15,000 | .80 | .17 | .37 | Special Purpose Research Laboratory | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment Cash Allowance | 66,773 50,086 | 3.40 2.50 | .77 .58 | 1.65 1.24 | Physical Education | |
| Built-in Equipment Architectural | 1 151 000 | F0 F0 | 40.00 | | Special Use | |
| Building Cost | 1,151,686 1,268,545 | 58.50 64.40 | 13.33 14.68 | 28.54 | Audio Visual | |
| Plumbing & Drains | 1,200,040 | 04.40 | 14.68 | 31.44 | Clinic Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 430,630 | 21.90 | 4.98 | 10.67 | Assembly Exhibition | |
| Electrical | 169,366 | 8.60 | 1.96 | 4.20 | Food | |
| Fed. Sales Tax Rebate | 78,960 | 4.00 | .91 | 1.96 | Recreation | |
| ub-Total 'A' | 1,804,581 | 91.60 | 20.88 | 44.72 | Supporting Data Processing Shops | |
| Fees | 115,661 | 5.90 | 1.34 | 2.87 | Physical Plant | |
| Miscellaneous | 8,688 | .40 | .10 | .22 | | |
| ub-Total 'B' | 124,349 | 6.30 | 1.44 | 3.08 | Central Utility | |
| | | | | | Total NASF | |
| Furniture | 40,217 | 2.00 | .47 | 1.00 | Non-Assignable | |
| Equipment | - Carrier | - | | | Custodial | |
| ub-Total 'C' | 40,217 | 0.00 | 45 | 1.00 | Circulation | |
| | 40,217 | 2.00 | .47 | 1.00 | Mechanical Rest Room | |
| Cotal Project Cost | 1,969,147 | 100.00 | 22.78 | 48.80 | Unassignable | |

Residences Buildings Alterations

44,524

PROJECT COST/SPACE RECORD

PROJECT NAME:

ST. PAT'S COLLEGE ALTERATIONS P2

PROJECT NUMBER: CA047 BUILDING TYPE:

PROJECT TYPE:

ALTERATION

7-1 UACP CODE: SUBMISSION DATE: 08/68

USE CATEGORY TYPE: RESIDENCES

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 07/68

07/68 - 09/68CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 7,000 | 3.20 | _ | .16 | Classroom | _ |
| Site Develop. (Incl.) | | _ | | _ | | |
| Alter'ns & Renova'ns | _ | | _ | _ | Special Purpose | |
| Site Development | 7,000 | 3.20 | _ | .16 | Research | **** |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Office | _ |
| Multi-Storey Elements | | | | | 7 (1 | |
| Interior Finishes | | | | | Library | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | Physical Education | _ |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 69,681 | 31.70 | _ | 1.57 | Audio Visual | |
| Building Cost | 69,681 | 31.70 | _ | 1.57 | Clinic | - |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 7,890 | 3.60 | ***** | .18 | Assembly | |
| | | | | 1/5 | Exhibition | _ |
| Electrical | 14,720 | 6.70 | _ | .33 | Food | _ |
| Fed. Sales Tax Rebate | _ | alternative . | _ | _ | Recreation | _ |
| Sub-Total 'A' | 99,291 | 45.20 | _ | 2.23 | Supporting | |
| | | | | | Data Processing | _ |
| _ | | | | | Shops | _ |
| Fees | 9,929 | 4.50 | _ | .22 | Physical Plant | |
| Miscellaneous | 2,978 | 1.40 | | .07 | | |
| -1. m-4.1 (n) | 40.00 | | | | Central Utility | |
| Sub-Total 'B' | 12,907 | 5.90 | _ | .29 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 89,000 | 40.50 | | 2.00 | Non-Assignable | |
| Equipment | 18,580 | 8.50 | _ | .42 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 107,580 | 48.90 | - | 2.42 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 219,778 | 100.00 | _ | 4.94 | Unassignable | |

PROJECT NAME:

ST. PATRICK'S COLLEGE ALTER 1976

PROJECT NUMBER: CA063

RESIDENCES

BUILDING TYPE: PROJECT TYPE:

ALTERATION 7-1

UACP CODE: SUBMISSION DATE: 02/71

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 08/70 CONSTRUCTION TIME:

08/70 - 02/71

16,080

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|----------------|--------------------|------------------|-------------------|---------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 20.6 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | wet Lab | |
| Horizontal Elements | | | | | Office | 20.5 |
| Exterior Cladding | | | | | Office | 20.0 |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment | 4,500 | 7.30 | _ | .28 | I Hysical Education | |
| Cash Allowance | 4,500 | | _ | | Special Use | |
| Built-in Equipment | 15,677 | 25.40 | _ | .97 | Audio Visual | |
| Architectural | 20,177 | 32.70 | | 1.25 | Clinic | _ |
| Building Cost | 20,111 | 02.10 | | 1.20 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 9,200 | 14.90 | _ | .57 | Assembly | _ |
| | | | | | Exhibition | _ 5,7 |
| Electrical | 15,107 | 24.50 | | .94 | Food | 53.0 |
| Fed. Sales Tax Rebate | _ | | _ | | Recreation | 53.0 |
| 2. 1. (0 - 4 - 1 6 A 2 | 44.484 | 72.00 | _ | 2.77 | Supporting | |
| Sub-Total 'A' | 44.404 | 12.00 | | 4 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 4,448 | 7.20 | _ | .28 | Physical Plant | .2 |
| Miscellaneous | 1,334 | 2.20 | | .08 | | |
| Miscenaneous | 1,001 | | | | Central Utility | |
| Sub-Total 'B' | 5,782 | 9.40 | | .36 | | |
| Sub-Total B | 5,702 | | | | Total NASF | 100.0% |
| | | 10.00 | | 71 | Non Assignable | |
| Furniture | 11,483 | 18.60 | _ | .71 | Non-Assignable | |
| Equipment | _ | _ | . | _ | Custodial | |
| | 44.400 | 10.00 | _ | 71 | Circulation Mechanical | |
| Sub-Total 'C' | 11,483 | 18.60 | _ | .71 | Rest Room | |
| | | | | | | |
| Total Project Cost | 61,749 | 100.00 | _ | 3.84 | Unassignable | |

PROJECT NAME:

ST. PATRICK'S ALTERATIONS — 1971

PROJECT NUMBER: CA077 BUILDING TYPE: RESIDENCES

PROJECT TYPE:

ALTERATION

UACP CODE:

7-1

SUBMISSION DATE: 08/71

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 08/71

CONSTRUCTION TIME: 08/71 - 11/71 MARKET CONDITION:

NORMAL

3,557

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns ite Development | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int, Vert, Elements | | | | | Office | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Diorary | - |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 9,196 | 10.00 | | 2.59 | Jacki Danouvion | |
| Built-in Equipment | - | _ | _ | | Special Use | |
| Architectural | 31,297 | 34.20 | _ | 8.80 | Audio Visual | _ |
| uilding Cost | 40,493 | 44.20 | _ | 11.38 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 11,900 | 13.00 | | 3.35 | Assembly | _ |
| 70 | | | | | Exhibition | _ |
| Electrical | 11,780 | 12.90 | _ | 3.31 | Food | _ |
| Fed. Sales Tax Rebate | _ | _ | _ | _ | Recreation | - |
| ub-Total 'A' | 64,173 | 70.10 | | 18.04 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 6,417 | 7.00 | _ | 1.80 | Physical Plant | _ |
| Miscellaneous | 1,925 | 2.10 | - | .54 | | |
| | | | | | Central Utility | _ |
| ıb-Total 'B' | 8,342 | 9.10 | | 2.35 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 10,000 | 10.90 | _ | 2.81 | Non-Assignable | |
| Equipment | 9,000 | 9.80 | _ | 2.53 | Custodial | |
| | | | | | Circulation | |
| ıb-Total 'C' | 19,000 | 20.80 | _ | 5.34 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 91,515 | 100,00 | _ | 25.73 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: CA061

ST. PATRICK'S COLLEGE ALTER. 1969

BUILDING TYPE: PROJECT TYPE:

RESIDENCES ALTERATION

UACP CODE: 7-1SUBMISSION DATE: 04/70 NASF:

26,151

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 08/69 CONSTRUCTION TIME:

08/69 - 10/69

MARKET CONDITION: NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 1,438 | 2.10 | _ | .05 | Classroom | 12.4 |
| Site Develop. (Incl.) | _ | where | _ | _ | | |
| Alter'ns & Renova'ns | _ | | _ | _ | Special Purpose | |
| te Development | 1,438 | 2.10 | _ | .05 | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 3.0 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 47,028 | 69.10 | _ | 1.80 | . Audio Visual | _ |
| uilding Cost | 47,028 | 69.10 | - | 1.80 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 4,626 | 6.80 | _ | .18 | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | 4,071 | 6.00 | - | .16 | Food | 83.8 |
| Fed. Sales Tax Rebate | _ | | | _ | Recreation | .8 |
| ub-Total 'A' | 57,163 | 84.00 | **** | 2.19 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 5,716 | 8.40 | - | .22 | Physical Plant | _ |
| Miscellaneous | 1,715 | 2.50 | _ | .07 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 7,431 | 10.90 | | .28 | | |
| | | | | | Total NASF | 100.0% |
| Furniture | 3,490 | 5.10 | _ | .13 | Non-Assignable | |
| Equipment | 2,230 | | | | Custodial | |
| Equipment | | | | | Circulation | |
| ub-Total 'C' | 3,490 | 5.10 | | .13 | Mechanical | |
| uo-Total O | 0, ±30 | 0.10 | | ,10 | Rest Room | |
| otal Project Cost | 68,084 | 100.00 | | 2.60 | Unassignable | |

Sciences Buildings

It will be noted that there is no percentage space breakdown for the following projects:

LA 04

NC 03

TO 15

TO 17

WE 03

These projects were begun before the Department of University Affairs was in existence—consequently, a facility analysis detail—or space breakdown do not exist for them as projects. It is a fact that the OUPRS provides a space use categorization for the building but it is not possible to interface, with accuracy, the building as it exists in 1969 with the project as it existed prior to 1964—consequently, no space percentage breakdown is provided.

22/SEP/71

PROJECT NAME:

E.W.R. STEACIE BLDG. FOR CHEMISTRY 1965

PROJECT NUMBER: CA004

SCIENCE

BUILDING TYPE: PROJECT TYPE:

UACP CODE:

NEW BUILDING

7 - 2SUBMISSION DATE: 11/67 USE CATEGORY TYPE: LABORATORY

220 100

NASF: GSF:

107,970

NASF/GSF: TENDER/ESTIMATE DATE:

12/63

CONSTRUCTION TIME:

04/64 - 09/65

51,913

.48

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|--------------------|------------------|-------------------|----------------------------|---|
| Site Develop. (Excl.) | 22,847 | .60 | .21 | .44 | Classroom | 21.9 |
| Site Develop. (Incl.) | 82,753 | 2.30 | .77 | 1.59 | | |
| Alter'ns & Renova'ns | | | _ | | Special Purpose | 10.5 |
| ite Development | 105,600 | 2.90 | .98 | 2.03 | Research | 13.7 |
| Year and a Constitution | | | | | Laboratory | 50.5 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 13.9 |
| Int. Vert. Elements | | | | | Office | 13.5 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Bibiary | |
| Building Equipment | 2,105 | ,10 | .02 | .04 | Physical Education | |
| Cash Allowance | _ | minute. | | | 2 Hy Sicus Daucation | |
| Built-in Equipment | 207,573 | 5.80 | 1.92 | 4.00 | Special Use | |
| Architectural | 1,670,428 | 46.60 | 15.47 | 32.18 | Audio Visual | |
| uilding Cost | 1,880,106 | 52.50 | 17.41 | 36.22 | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 902,088 | 25.20 | 8.35 | 17.38 | Assembly | _ |
| | 0.41 =00 | 0.80 | 0.04 | 4.00 | Exhibition | _ |
| Electrical | 241,738 | 6.70 | 2.24 | 4.66 | Food | |
| Fed. Sales Tax Rebate | 139,657 | 3.90 | 1.29 | 2.69 | Recreation | _ |
| ub-Total 'A' | 2,989,875 | 83.50 | 27.69 | 57.59 | One and the second trans | |
| ub-10tal A | 2,565,616 | 00.00 | 21.00 | 01.00 | Supporting Data Processing | |
| | | | | | Shops | _ |
| Fees | 176,161 | 4.90 | 1.63 | 3.39 | Physical Plant | |
| Miscellaneous | 40,916 | 1.10 | .38 | .79 | z my sicur i zum | |
| | • | | | | Central Utility | *************************************** |
| ub-Total 'B' | 217,077 | 6.10 | 2.01 | 4.18 | 001101111 | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 115,584 | 3.20 | 1.07 | 2.23 | Non-Assignable | |
| Equipment | 260,000 | 7.30 | 2.41 | 5.01 | Custodial | |
| | 0 W F F O 1 | 40.50 | 0.40 | = 00 | Circulation | |
| ub-Total 'C' | 375,584 | 10.50 | 3.48 | 7.23 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 3,582,536 | 100.00 | 33.18 | 69.01 | YT | |
| star Froject Cost | 3,382,336 | 100.00 | 33.18 | 69.01 | Unassignable | |

PROJECT NAME:

PHYSICS BUILDING 1965

PROJECT NUMBER: CA008 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

NEW BUILDING

7 - 2SUBMISSION DATE: 02/70

USE CATEGORY TYPE:

LABORATORY

220 210

22/SEP/71

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

01/65 01/66 - 08/67NORMAL

56,161

91,204

.62

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|---------------------|--------------------|---|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 20.0 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | 14.9 |
| | | | | | Laboratory | 41.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 20.4 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 0.4 |
| Interior Finishes | | | | | | |
| Building Equipment | 37,000 | 1.20 | .41 | .66 | Physical Education | _ |
| Cash Allowance | - | | | _ | | |
| Built-in Equipment | _ | page 19 | | _ | Special Use | |
| Architectural | 1,345,222 | 44.80 | 14.75 | 23.95 | Audio Visual | - |
| uilding Cost | 1,382,222 | 46.00 | 15.16 | 24.61 | Clinic | - |
| anding cost | 1,002,222 | 20.00 | | | Demonstration | |
| Plumbing & Drains | | | | | 430444044044 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Iechanical | 619,037 | 20.60 | 6.79 | 11.02 | Assembly | _ |
| iecnamicai | 010,00. | 20.00 | • | | Exhibition | _ |
| Electrical | 403,319 | 13.40 | 4.42 | 7.18 | Food | 0.8 |
| Fed, Sales Tax Rebate | 94,058 | 3.10 | 1.03 | 1.67 | Recreation | |
| red, Sales Tax Rebate | 0 1 ,000 | 0.10 | 1,00 | 2.0. | Recreation | |
| ub-Total 'A' | 2,310,520 | 76.90 | 25.33 | 41.14 | Supporting | |
| ub-10tal A | 2,010,020 | 10.00 | 20.00 | | Data Processing | 0.7 |
| | | | | | Shops | 1.0 |
| Fees | 222,483 | 7.40 | 2,44 | 3.96 | Physical Plant | |
| Miscellaneous | 45.474 | 1.50 | .50 | .81 | I ily sical I failt | |
| Miscellaneous | 40,274 | 1.00 | .00 | | Central Utility | _ |
| ub-Total 'B' | 267,957 | 8.90 | 2.94 | 4.77 | Central Culity | |
| no-Total B | 201,931 | 0.50 | 2.01 | 2.11 | Total NASF | 100.0 |
| | | | | | I Otal MASE | 200.0 |
| E | 105 150 | 4.00 | 1 97 | 2.23 | Non-Assignable | |
| Furniture | 125,170 | 4.20 | 1.37 | 5.36 | Custodial | |
| Equipment | 300,788 | 10.00 | 3.30 | 0.30 | | |
| 1 = 11/61 | 107.053 | 1400 | 4.08 | 7 50 | Circulation | |
| ub-Total 'C' | 425,958 | 14.20 | 4.67 | 7.58 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 3,004,435 | 100.00 | 32.94 | 53.50 | Unassignable | |
| 0.001 1.01000 0.000 | 0,002,200 | 200.00 | | | | |

CONTROLLED ENVIRONMENT - 66 BIOLOGY

PROJECT NAME: PROJECT NUMBER: CA019 BUILDING TYPE:

SCIENCE

USE CATEGORY TYPE:

LABORATORY

PROJECT TYPE: UACP CODE:

NEW BUILDING

7 - 2SUBMISSION DATE: 02/70 220

22/SEP/71

NASF:

19,827

GSF:

51,970 .38

NASF/GSF:

07/67

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

08/67 - 08/68

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | 17,101 | .90 | .33 | .86 | | |
| Alter'ns & Renova'ns | | | | _ | Special Purpose | |
| ite Development Indirect & Gen'l Exp Substructure Horizontal Elements | 17,101 | .90 | .33 | .86 | Research Laboratory Dry Lab Wet Lab | 92.0 |
| Exterior Cladding Int, Vert, Elements | | | | | Office | 3.8 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 3.0 |
| Building Equipment Cash Allowance | 10,364 | .50 | .20 | .52 | Physical Education | _ |
| Built-in Equipment | 49,500 | 2.50 | .95 | 2.50 | Special Use | |
| Architectural | 1,099,210 | 55.10 | 21.15 | 55.44 | Audio Visual | _ |
| Building Cost | 1,159,074 | 58.10 | 22.30 | 58.46 | Clinic Demonstration | Ξ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 200 555 | 10.00 | E 0E | 10.01 | General Use | |
| Mechanical | 382,777 | 19.20 | 7.37 | 19.31 | Assembly | |
| Di- 4 ' · · | 225 665 | 11.00 | 4.04 | 11.00 | Exhibition | |
| Electrical | 225,665 | 11.30 | 4.34 | 11.38 | Food | - |
| Fed. Sales Tax Rebate | 74,511 | 3.70 | 1.43 | 3.76 | Recreation | _ |
| ub-Total 'A' | 1,710,106 | 85.80 | 32.91 | 86.25 | Supporting Data Processing | - . |
| | | | | | Shops | 1.1 |
| Fees | 106,913 | 5.40 | 2.06 | 5.39 | Physical Plant | |
| Miscellaneous | 107,150 | 5.40 | 2.06 | 5.40 | | |
| Sub-Total 'B' | 214,063 | 10.70 | 4.12 | 10.80 | Central Utility | |
| | | | | | Total NASF | 100.0 |
| Furniture | 20,000 | 1.00 | .38 | 1.01 | Non-Assignable | |
| Equipment | 50,000 | 2.50 | .96 | 2.52 | Custodial Circulation | |
| Sub-Total 'C' | 70,000 | 3.50 | 1.35 | 3.53 | Mechanical Rest Room | |
| Total Project Cost | 1,994,169 | 100.00 | 38.37 | 100.58 | Unassignable | |

PROJECT NAME: CROP SCIENCE-HERBICIDE 65

PROJECT NUMBER: GU004 BUILDING TYPE: PROJECT TYPE:

SCIENCE NEW BUILDING

UACP CODE: 7 - 2SUBMISSION DATE: 09/69 RESEARCH

220 210

USE CATEGORY TYPE: LABORATORY

22/SEP/71

NASF: GSF: NASF/GSF:

106,069 .59

63,087

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

07/66 08/66 - 03/68

BUSY MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 24,448 102,160 | .50 2.20 | .23 .96 | .39 1.62 | Classroom | 6.3 |
| Alter'ns & Renova'ns ite Development Indirect & Gen'l Exp | 126,608 | 2.70 | 1.19 | 2.01 | Special Purpose Research Laboratory Dry Lab | 16.8 59.4 |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 16.2 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 1.4 |
| Building Equipment Cash Allowance | 88,093 46,671 | 1.90 1.00 | .83 .44 | 1.40 .74 | Physical Education | |
| Built-in Equipment Architectural | 260,824 1,689,279 | 5.50 35.70 | 2.46 15.93 | 4.13 26.78 | Special Use Audio Visual | _ |
| uilding Cost | 2,084,867 | 44.10 | 19.66 | 33.05 | Clinic Demonstration | |
| Plumbing & Drains Heat, Vent, & Cond, | | | | | General Use | |
| echanical | 1,204,383 | 25.40 | 11.35 | 19.09 | Assembly Exhibition | _ |
| Electrical Fed. Sales Tax Rebate | 600,125 168,441 | 12.70 3.60 | 5.66 1.59 | 9:51 2.67 | Food Recreation | |
| ub-Total 'A' | · | | 36.27 | 60.99 | Supporting | |
| ub-Total A | 3,847,542 | 81.30 | 30.21 | 60.55 | Data Processing | |
| Fees | 250,172 | 5.30 | 2.36 | 3.97 | Shops Physical Plant | _ |
| Miscellaneous | 69,480 | 1.50 | .66 | 1.10 | Central Utility | - |
| ub-Total 'B' | 319,652 | 6.80 | 3.01 | 5.07 | Total NASF | 100.0 |
| Furniture | 116,684 | 2.50 | 1.10 | 1.85 | Non-Assignable | |
| Equipment | 448,998 | 9.50 | 4.23 | 7.12 | Custodial Circulation | |
| ub-Total 'C' | 565,682 | 12.00 | 5.33 | 8.97 | Mechanical Rest Room | |
| otal Project Cost | 4,732,876 | 100.00 | 44.62 | 75.02 | Unassignable | |

SCIENCE

NEW BUILDING

22/SEP/71

NASF:

98,724 208,850 .47

TENDER/ESTIMATE DATE:

09/66 10/66 - 04/69

GSF: NASF/GSF:

CONSTRUCTION TIME:

BUSY MARKET CONDITION:

| THOUSE TITE. | 1123 11 2 |
|------------------|-----------|
| UACP CODE: | 7 - 2 |
| SUBMISSION DATE: | 09/70 |

PROJECT NUMBER: GU005

PROJECT NAME:

BUILDING TYPE:

PROJECT TYPE:

| 220 | 810 |
|-----|-----|
| | |

USE CATEGORY TYPE:

LABORATORY

ANIMAL SCI-NUTRITION GU20

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 25,524 352,092 | .30 4.00 | .12 1.69 | .26 3.57 | Classroom | 5.2 |
| Alter'ns & Renova'ns | | - | | | Special Purpose | |
| ite Development Indirect & Gen'l Exp Substructure | 377,616 | 4.30 | 1.81 | 3.82 | Research Laboratory Dry Lab Wet Lab | 11.3 53.3 |
| Horizontal Elements Exterior Cladding Int, Vert. Elements | | | | | Office | 21.2 |
| Multi-Storey Elements Interior Finishes | | | | | Library | 2.1 |
| Building Equipment Cash Allowance | 76,312 66,885 | .90 .80 | .37 .32 | .77 .68 | Physical Education | - |
| Built-in Equipment | 761,263 | 8.60 | 3.65 | 7.71 | Special Use | |
| Architectural | 3,169,339 | 35.80 | 15.18 | 32.10 | Audio Visual | - |
| uilding Cost Plumbing & Drains | 4,073,799 | 46.00 | 19.51 | 41.26 | Clinic Demonstration | = |
| Heat, Vent, & Cond. | | | | | General Use | |
| fechanical | 2,332,797 | 26.30 | 11.17 | 23.63 | Assembly Exhibition | _ |
| Electrical | 885,028 | 10.00 | 4.24 | 8.96 | Food | 1.5 |
| Fed. Sales Tax Rebate | 282,283 | 3.20 | 1.35 | 2.86 | Recreation | _ |
| ub-Total 'A' | 7,386,957 | 83.40 | 35.37 | 74.82 | Supporting Data Processing Shops | 5.5 |
| Fees | 531,616 | 6.00 | 2.55 | 5.38 | Physical Plant | _ |
| Miscellaneous | 114,963 | 1.30 | .55 | 1.16 | Central Utility | _ |
| Sub-Total 'B' | 646,579 | 7.30 | 3.10 | 6.55 | Total NASF | 100.0 |
| Furniture | 172,416 | 1.90 | .83 | 1.75 | Non-Assignable | |
| Equipment | 649,413 | 7.30 | 3.11 | 6.58 | Custodial Circulation | |
| Sub-Total 'C' | 821,829 | 9.30 | 3.94 | 8.32 | Mechanical Rest Room | |
| Total Project Cost | . 8,855,365 | 100.00 | 42.40 | 89.70 | Unassignable | |

PROJECT NAME:

SWINE CLINIC — 67

PROJECT NUMBER: GU025 BUILDING TYPE:

PROJECT TYPE: NEW BUILDING UACP CODE: 7 - 2SUBMISSION DATE: 09/70

USE CATEGORY TYPE: LABORATORY SCIENCE

220

22/SEP/71

NASF: GSF:

NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

MARKET CONDITION:

07/68 09/68 - 09/69 NORMAL

7,343

13,945

.53

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------------|-------------------------|
| Site Develop, (Excl.) | | | | | Classroom | 6.1 |
| Site Develop. (Incl.) | 31,894 | 5.10 | 2.29 | 4.34 | | |
| Alter'ns & Renova'ns | 1,650 | .30 | .12 | .22 | Special Purpose | |
| Site Development | 33,544 | 5.30 | 2.41 | 4.57 | Research | 11.9 |
| Jordio Pillotti | 00,011 | 0.00 | | | Laboratory | 67.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 15.0 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | 230,200.3 | |
| Building Equipment | 10,686 | 1.70 | .77 | 1.46 | Physical Education | |
| Cash Allowance | 2,000 | .30 | .14 | .27 | 1119 31001 234 40401011 | _ |
| Built-in Equipment | | | 3.06 | 5.81 | Special Use | |
| Architectural | 42,660 | 6.80 | | 33.41 | Audio Visual | |
| | 245,298 | 39.10 | 17.59 | | Clinic | _ |
| Building Cost | 300,644 | 47.90 | 21.56 | 40.94 | Demonstration | _ |
| Discolation & Duning | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 102011 | 19.70 | 8.89 | 16.87 | Assembly | _ |
| Mechanical | 123,911 | 19.70 | 0.03 | 10.01 | Exhibition | _ |
| 71 | E 4 01 C | 8.80 | 3.94 | 7.48 | Food | |
| Electrical | 54,916 | | 1.48 | 2.82 | Recreation | _ |
| Fed. Sales Tax Rebate | 20,700 | 3.30 | 1,40 | 4.04 | Recreation | |
| 1 7 7 1 1 1 1 1 | 492,315 | 78.50 | 35.30 | 67.05 | Supporting | |
| sub-Total 'A' | 492,315 | 76.50 | 55.50 | 07.00 | Data Processing | |
| | | | | | Shops | _ |
| | 20 505 | 6.20 | 2.78 | 5.27 | Physical Plant | |
| Fees | 38,707 | | .66 | 1.24 | r nysicar r rant | |
| Miscellaneous | 9,142 | 1.50 | .00 | 1.24 | Central Utility | |
| | 47 0 40 | 7.60 | 3.43 | 6.52 | Central Othity | _ |
| ub-Total 'B' | 47,849 | 7.60 | 3.43 | 0.52 | Total NASF | 100.0 |
| | | | | | Total NASE | 200.0 |
| | 9.01.0 | 1.30 | .57 | 1.09 | Non-Assignable | |
| Furniture | 8,013 | | | | Custodial | |
| Equipment | 79,268 | 12.60 | 5.68 | 10.80 | | |
| | 05.004 | 10.00 | C 9.C | 11.89 | Circulation Mechanical | |
| Sub-Total 'C' | 87,281 | 13.90 | 6.26 | 11.09 | | |
| | | | | | Rest Room | |
| Fotal Project Cost | 627,445 | 100.00 | 44.99 | 85.45 | Unassignable | |

PROJECT NAME: ANIMAL HOLDING UNIT

PROJECT NUMBER: GU026 BUILDING TYPE:

SCIENCE PROJECT TYPE:

NEW BUILDING

UACP CODE: 7 - 2SUBMISSION DATE: 10/70 USE CATEGORY TYPE:

LABORATORY

220

22/SEP/71

NASF: GSF:

6,634 10,645 .62

NASF/GSF:

07/68

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

08/68 - 09/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-----------------|--------------------|------------------|-------------------|---|----------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 6,285 30,422 | 1.60 7.90 | .59 2.86 | .95 4.59 | Classroom | _ |
| Alter'ns & Renova'ns Site Development | 36,707 | 9.60 | 3.45 | 5.53 | Special Purpose Research Laboratory | 3.8 85.1 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 7.0 |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | 16,521 1,500 | 4.30 .40 | 1.55 .14 | 2.49 .23 | Physical Education | |
| Built-in Equipment | _ | | _ | | Special Use | |
| Architectural | 176,651 | 46.10 | 16.59 | 26.63 | Audio Visual | _ |
| Building Cost | 194,672 | 50.80 | 18.29 | 29.34 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 86,190 | 22.50 | 8.10 | 12.99 | Assembly | |
| | | | 0.110 | 14.00 | Exhibition | |
| Electrical | 27.922 | 7.30 | 2.62 | 4.21 | Food | |
| Fed. Sales Tax Rebate | 13,451 | 3.50 | 1.26 | 2.03 | Recreation | 4.1 |
| | | | | 2.00 | Recleation | *** |
| Sub-Total 'A' | 332,040 | 86.70 | 31.19 | 50.05 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 22,892 | 6.00 | 2.15 | 3.45 | * Physical Plant | _ |
| Miscellaneous | 12,341 | 3.20 | 1.16 | 1.86 | | |
| Sub-Total 'B' | 35,233 | 9,20 | 3.31 | 5.31 | Central Utility | _ |
| | | | 444 | 0.03 | Total NASF | 100.0 |
| Furniture | 3,194 | .80 | .30 | .48 | Non-Assignable | |
| Equipment | 12,655 | 3.30 | 1.19 | 1.91 | Custodial Circulation | |
| Sub-Total 'C' | 15,849 | 4.10 | 1.49 | 2.39 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 383,122 | 100.00 | 35.99 | 57.75 | Unassignable | |

22/SEP/71

PROJECT NAME:

PHYSICAL SCIENCES COMBINED GU07 & GU32

PROJECT NUMBER: GU732

USE CATEGORY TYPE:

BUILDING TYPE: PROJECT TYPE:

SCIENCE

NEW BUILDING

UACP CODE: 7 - 2SUBMISSION DATE: 05/71

NASF/GSF: TENDER/ESTIMATE DATE:

NASF:

GSF:

112,602 204,067

.55

06/67 07/67 - 08/69

CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 64,267 | .80 | .31 | .57 | Classroom | |
| Site Develop, (Incl.) | 123,657 | 1.50 | .61 | 1.10 | | |
| Alter'ns & Renova'ns | 19,400 | .20 | .10 | .17 | Special Purpose | |
| Site Development | 207,324 | 2.50 | 1.02 | 1.84 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.40 | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | T 23 | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes Building Equipment | 134,839 | 1.60 | .66 | 1.20 | Physical Education | |
| Cash Allowance | 94,293 | 1.10 | .46 | .84 | Filysical Education | |
| Built-in Equipment | 733,008 | 8.80 | 3.59 | 6.51 | Special Use | |
| Architectural | 3,409,870 | 41.00 | 16.71 | 30.28 | Audio Visual | |
| Building Cost | 4,372,010 | 52.50 | 21.42 | 38.83 | Clinic | |
| Building Cost | 2,012,010 | 02.00 | | | Demonstration | |
| Plumbing & Drains | | | | | 20440444444 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,738,746 | 20.90 | 8.52 | 15.44 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 681,517 | 8.20 | 3.34 | 6.705 | Food | |
| Fed. Sales Tax Rebate | 256,068 | 3.10 | 1.25 | 2.27 | . Recreation | |
| | | | | | | |
| Sub-Total 'A' | 6,743,529 | 81.00 | 33.05 | 59.89 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 477,347 | 5.70 | 2.34 | 4.24 | Physical Plant | |
| Miscellaneous | 92,714 | 1.10 | .45 | .82 | | |
| | | 2.00 | 0. 20 | E 0.0 | Central Utility | |
| Sub-Total 'B' | 570,061 | 6.80 | 2.79 | 5.06 | | |
| | | | | | Total NASF | |
| W3 11 | 040.457 | 4.10 | 1 60 | 3.05 | Non-Assignable | |
| Furniture | 343,455 | 4.10 8.00 | 1.68 3.27 | 5.93 | Non-Assignable Custodial | |
| Equipment | 668,243 | 8.00 | 3.41 | 0.50 | Circulation | |
| C-1- M-4-1 (C) | 1 011 609 | 12.20 | 4.96 | 8.98 | Mechanical | |
| Sub-Total 'C' | 1,011,698 | 12.20 | 7.00 | 0.00 | Rest Room | |
| | | | | | 10030 1000111 | |
| Total Project Cost | 8,325,288 | 100.00 | 40.80 | 73.94 | Unassignable | |
| Total Toject Cost | 0,020,200 | 200.00 | | | | |
| | | | | | | |

PROJECT NAME:

PROJECT NUMBER: LA004 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

SUBMISSION DATE: 06/68

NEW BUILDING 7 - 2

SCIENCE BUILDING -1-65

USE CATEGORY TYPE:

LABORATORY

220

22/SEP/71

NASF:

GSF: NASF/GSF: 68,740

41,514

TENDER/ESTIMATE DATE: 05/63 CONSTRUCTION TIME:

05/63 - 08/64

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 69,296 | 4.00 | 1.01 | 1.67 | Classroom | |
| Site Develop. (Incl.) | _ | — | | | | |
| Alter'ns & Renova'ns | - | | | _ | Special Purpose | |
| Site Development | 69,296 | 4.00 | 1.01 | 1.67 | Research | |
| 1.11.40.0.11.7 | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | | |
| Int. Vert, Elements | | | | | Office | |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | |
| Building Equipment | Serve . | | | | 73 | |
| Cash Allowance | 13,485 | .80 | .20 | _ | Physical Education | |
| Built-in Equipment | 10,400 | .00 | | .32 | Connected XX | |
| Architectural | | | enna. | | Special Use | |
| Building Cost | 1,490,413 | 85.20 | 21.68 | 35.90 | Audio Visual Clinic | |
| | 2,200,220 | 00.20 | 21.00 | 00.00 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | | | | | Assembly | |
| | | | | | Exhibition | |
| Electrical | | | | | Food | |
| Fed. Sales Tax Rebate | 63,975 | 3.70 | .93 | 1.54 | Recreation | |
| | | | | | | |
| ub-Total 'A' | 1,495,734 | 85.50 | 21.76 | 36.03 | Supporting | |
| | | | | | Data Processing | |
| | 440.000 | | | | Shops | |
| Fees | 113,036 | 6.50 | 1.64 | 2.72 | Physical Plant | |
| Miscellaneous | 2,491 | .10 | .04 | .06 | | |
| ub-Total 'B' | 115 507 | 0.00 | 4 00 | | Central Utility | |
| np-10fal B | 115,527 | 6.60 | 1.68 | 2.78 | | |
| | | | | | Total NASF | |
| Furniture | | | | | | |
| Equipment | 138,435 | 7.90 | 2.01 | 3.33 | Non-Assignable | |
| Equipment | 100,100 | 7.50 | 2.01 | 0.00 | Custodial | |
| ub-Total 'C' | 138,435 | 7.90 | 2.01 | 3.33 | Circulation | |
| | 233,230 | | W.O., | 0.00 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 1,749,696 | 100.00 | 25.45 | 42.15 | Unassignable | |
| | | | | | Unassignable | |

PROJECT NAME: GENERAL SCIENCES-65

PROJECT NUMBER: MC003 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE: 7-2 SUBMISSION DATE: 11/67

USE CATEGORY TYPE: LABORATORY

220

NEW BUILDING

22/SEP/71

NASF:

GSF: NASF/GSF: TENDER/ESTIMATE DATE: 10/62

58,942 .63

37,093

CONSTRUCTION TIME: 12/62 - 05/64

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|-----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | 28,106 | 1.50 | .48 | .76 | Classroom | |
| Site Develop. (Incl.) | 4,500 | .20 | .08 | .12 | | |
| Alter'ns & Renova'ns | | | | and a | Special Purpose | |
| Site Development | 32,606 | 1.70 | .55 | .88 | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | *************************************** | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | - 01 500 | 1.10 | | - | Physical Education | |
| Cash Allowance Built-in Equipment | 21,500 3,800 | 1.10 .20 | .36 .06 | .58 | Special Use | |
| Architectural | 704,125 | 36.60 | 11.95 | .10 18.98 | Audio Visual | |
| Building Cost | 729,425 | 37.90 | 12.38 | 19.66 | Clinic | |
| | 120,120 | 01.00 | 12.00 | 10.00 | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 395,921 | 20.60 | 6.72 | 10.67 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 225,250 | 11.70 | 3.82 | 6.07 | Food | |
| Fed. Sales Tax Rebate | | _ | _ | MARCH | Recreation | |
| Sub-Total 'A' | 1,383,202 | 71.90 | 23.47 | 37.29 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 81,306 | 4.20 | 1.38 | 2.19 | Physical Plant | |
| Miscellaneous | 24,600 | 1.30 | .42 | .66 | | |
| C 1 E (1/D) | 105 000 | E E O | 1.00 | 0.00 | Central Utility | |
| Sub-Total 'B' | 105,906 | 5.50 | 1.80 | 2.86 | Total NASF | |
| | | | | | I Otal NASF | |
| Furniture | 29,763 | 1.50 | .50 | .80 | Non-Assignable | |
| Equipment | 404,363 | 21.00 | 6.86 | 10.90 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 434,126 | 22.60 | 7.37 | 11.70 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 1,923,234 | 100.00 | 32.63 | 51.85 | Unassignable | |

SENIOR SCIENCES COMPLEX-65 PROJECT NAME:

PROJECT NUMBER: MC012 BUILDING TYPE: SCIENCE

NEW BUILDING

PROJECT TYPE:

7-2 UACP CODE: SUBMISSION DATE: 11/70 USE CATEGORY TYPE:

LABORATORY

220

22/SEP/71

NASF: GSF:

148,048 263,888 .56

NASF/GSF:

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

04/65

04/65 - 03/68NORMAL MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | 81,759 | .80 | .31 | .55 | Classroom | 8.2 |
| Site Develop. (Incl.) | _ | TO THE STATE OF TH | and a | - | | |
| Alter'ns & Renova'ns | _ | _ | _ | _ | Special Purpose | |
| te Development | 81,759 | .80 | .31 | .55 | Research | 1.4 |
| | | | | | Laboratory | 62.4 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 14.2 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 49,460 | .50 | .19 | .33 | Physical Education | _ |
| Cash Allowance | 70,000 | .70 | .27 | .47 | | |
| Built-in Equipment | 728,394 | 7.30 | 2.76 | 4.92 | Special Use | |
| Architectural | 3,088,432 | 31.00 | 11.70 | 20.86 | Audio Visual | 0.6 |
| uilding Cost | 3,936,286 | 39.50 | 14.92 | 26.59 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 2,241,216 | 22.50 | 8.49 | 15.14 | General Use | _ |
| echanical | 2,241,210 | 22.50 | 0.43 | 15.14 | Assembly | _ |
| 71 () | 881,731 | 8.90 | 3.34 | 5.96 | Exhibition | 4.1 |
| Electrical | | 0.50 | | | Food | 5.1 |
| Fed. Sales Tax Rebate | | - Allen | - | _ | Recreation | 5.1 |
| ub-Total 'A' | 7,140,992 | 71.70 | 27.06 | 48.23 | Supporting | |
| ub-10tai A | .,,,,,,,,, | 12110 | | 10.20 | Data Processing | 2.8 |
| | | | | | | _ |
| Fees | 411,582 | 4.10 | 1.56 | 2.78 | Shops Physical Plant | 1.2 |
| Miscellaneous | 229,466 | 2.30 | .87 | 1.55 | rity Sical Flatit | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 641,048 | 6.40 | 2.43 | 4.33 | Constan County | |
| | | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 552,716 | 5.50 | 2.09 | 3.73 | Non-Assignable | |
| Equipment | 1,627,241 | 16.30 | 6.17 | 10.99 | Custodial | |
| | | | • | | Circulation | |
| ub-Total 'C' | 2,179,957 | 21.90 | 8.26 | 14.72 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 9,961,997 | 100.00 | 37.75 | 67.29 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: MC021 BUILDING TYPE:

SCIENCE

PROJECT TYPE: NEW BUILDING UACP CODE: 7-1 SUBMISSION DATE: 11/67

NUCLEAR SCI BLDG 1-65

USE CATEGORY TYPE: LABORATORY

220

22/SEP/71

NASF: GSF: NASF/GSF: 16,366 22,384

04/67 TENDER/ESTIMATE DATE:

06/67 - 09/68CONSTRUCTION TIME:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | 141,170 | 4.00 | 6.31 | 8.63 | Classroom | - |
| Site Develop. (Incl.) | | | _ | - | | |
| Alter'ns & Renova'ns | 141,170 | 4.00 | 6.31 | - | Special Purpose | |
| ite Development | 141,170 | 4.00 | 0.01 | 8.63 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | 94.6 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.64 | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | T ile manne | |
| Interior Finishes | | | | | Library | |
| Building Equipment | 26,276 | .70 | 1.17 | 1.61 | Physical Education | _ |
| Cash Allowance | 25,155 | .70 | 1.12 | 1.54 | i ily sical Education | |
| Built-in Equipment | | | _ | _ | Special Use | |
| Architectural | 405,896 | 11.40 | 18.13 | 24.80 | Audio Visual | _ |
| uilding Cost | 457,327 | 12.90 | 20.43 | 27.94 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 136,109 | 3.80 | 6.08 | 8.32 | Assembly | _ |
| | | | | | Exhibition | |
| Electrical | 182,394 | 5.10 | 8.15 | 11.14 | Food | |
| Fed. Sales Tax Rebate | W-199 | _ | _ | | Recreation | |
| ub-Total 'A' | 917,000 | 25.80 | 40.97 | 56.03 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 46,672 | 1.30 | 2.09 | 2.85 | Physical Plant | 5.3 |
| Miscellaneous | 53,778 | 1.50 | 2.40 | 3.29 | | |
| | | | | | Central Utility | - |
| ab-Total 'B' | 100,450 | 2.80 | 4.49 | 6.14 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 4,000 | .10 | .18 | .24 | Non-Assignable | |
| Equipment | 2,529,000 | 71.20 | 112.98 | 154.53 | Custodial | |
| | | | | | Circulation | |
| ıb-Total 'C' | 2,533,000 | 71.30 | 113.16 | 154.77 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 3,550,450 | 100.00 | 158.62 | 216.94 | Unassignable | |

22/SEP/71

PROJECT NAME:

APPLIED DYNAMICS LABORATORY 1 1966

PROJECT NUMBER: MC033 BUILDING TYPE:

SUBMISSION DATE: 12/68

SCIENCE

NEW BUILDING

PROJECT TYPE: UACP CODE:

USE CATEGORY TYPE: LABORATORY

220

NASF: GSF:

15,432 21,464 .72

NASF/GSF: TENDER/ESTIMATE DATE:

05/67

CONSTRUCTION TIME: MARKET CONDITION:

08/67 - 06/68NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 49,157 | 6.30 | 2.29 | 3.19 | Classroom | 14.0 |
| Site Develop. (Incl.) | **** | — | name. | _ | | |
| Alter'ns & Renova'ns | | | | _ | Special Purpose | |
| ite Development | 49,157 | 6.30 | 2.29 | 3.19 | Research | - |
| | | | | | Laboratory | 83.6 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 2.2 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | | _ | _ | | Physical Education | - |
| Cash Allowance | 19,736 | 2.50 | .92 | 1.28 | | |
| Built-in Equipment | <u> </u> | | without | _ | Special Use | |
| Architectural | 315,410 | 40.40 | 14.69 | 20.44 | Audio Visual | _ |
| Building Cost | 335,146 | 43.00 | 15.61 | 21.72 | Clinic | _ |
| , management of the control of the c | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 144,000 | 18.50 | 6.71 | 9.33 | Assembly | _ |
| decilatificat | , | | | | Exhibition | _ |
| Electrical | 130,000 | 16.70 | 6.06 | 8.42 | Food | |
| Fed. Sales Tax Rebate | | | _ | | Recreation | |
| reu. Sales Tax Itebate | | | | | | |
| ub-Total 'A' | 658,303 | 84.40 | 30.67 | 42.66 | Supporting | |
| ub-Total A | | | | | Data Processing | - |
| | | | | | Shops | _ |
| Fees | 40,000 | 5.10 | 1.86 | 2.59 | Physical Plant | _ |
| Miscellaneous | 18,697 | 2.40 | .87 | 1.21 | | |
| Miscenaneous | 20,00 | | | | Central Utility | _ |
| 1-1- FD - 4-1 (D) | 58,697 | 7.50 | 2.73 | 3.80 | | |
| Sub-Total 'B' | 00,001 | ,,,, | | | Total NASF | 100.0 |
| | | | | | 2004111101 | |
| D . 14 | 37,000 | 4.70 | 1.72 | 2.40 | Non-Assignable | |
| Furniture | 26,000 | 3.30 | 1.21 | 1.68 | Custodial | |
| Equipment | 20,000 | 0.00 | A 1 M A | 1.00 | Circulation | |
| | 63,000 | 8.10 | 2.94 | 4.08 | Mechanical | |
| Sub-Total 'C' | 03,000 | 0.10 | 4.07 | 2.00 | Rest Room | |
| | | | | | Rest Room | |
| | T80 000 | 100.00 | 36.34 | 50.54 | Unassignable | |
| Total Project Cost | 780,000 | 100.00 | 30.34 | 80.54 | Unassignable | |

PROJECT NAME:

LIFE SCIENCES

PROJECT NUMBER: MC046
BUILDING TYPE: SCIENC
PROJECT TYPE: NEW BU

MC046 SCIENCE NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 11/70 22/SEP/71

NASF:

64,376 105,220

.61

GSF: NASF/GSF:

08/70

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

10/70 - 05/72 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|--------------------|--------------------|------------------|---|---|-------------------------|
| Site Develop, (Excl.) | 500 | | | .01 | Classroom | 2.8 |
| Site Develop. (Incl.) | 73,875 | 1.50 | .70 | 1.15 | | |
| Alter'ns & Renova'ns | - | | - | . | Special Purpose | |
| Site Development | 74,375 | 1.60 | .71 | 1.16 | Research | 36.9 |
| | | | | | Laboratory | 43.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 9.5 |
| Int, Vert, Elements | | | | | Office | 5.5 |
| Multi-Storey Elements | | | | | Library | 2.8 |
| Interior Finishes | | | | | 23101413 | |
| Building Equipment | 10,904 | .20 | .10 | .17 | Physical Education | arrote |
| Cash Allowance | 120,750 | 2.50 | 1.15 | 1.88 | | |
| Built-in Equipment | 285,960 | 6.00 | 2.72 | 4.44 | Special Use | |
| Architectural | 1,758,109 | 36.80 | 16.71 | 27.31 | Audio Visual | _ |
| Building Cost | 2,175,723 | 45.50 | 20.68 | 33.80 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 997,324 | 20.90 | 9.48 | 15.49 | Assembly | ande anne |
| | 000 000 | 0.10 | 0.00 | 0-02 | Exhibition | |
| Electrical | 387,870 | 8.10 | 3.69 | 6:03 | Food Recreation | 4.7 |
| Fed. Sales Tax Rebate | _ | yA,000.00 | | | Recreation | 78.4 |
| Sub-Total 'A' | 3,635,292 | 76.10 | 34.55 | 56.47 | Supporting | |
| do-Total A | 0,000,202 | 10.20 | 0 2.00 | • | Data Processing | |
| | | | | | Shops | 0.2 |
| Fees | 329,409 | 6.90 | 3.13 | 5.12 | Physical Plant | |
| Miscellaneous | 109,059 | 2.30 | 1.04 | 1.69 | · | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 438,468 | 9.20 | 4.17 | 6.81 | | |
| | | | | | Total NASF | 100.0 |
| | 105,600 | 2.20 | 1.00 | 1.64 | Non-Assignable | |
| Furniture | 105,600 600,300 | 12.60 | 5.71 | 9.32 | Non-Assignable Custodial | |
| Equipment | 000,300 | 12.00 | 5.71 | 3.34 | Circulation | |
| Cult Madal (C) | 705,900 | 14.80 | 6.71 | 10.97 | Mechanical | |
| Sub-Total 'C' | 700,000 | 14.00 | 0.72 | 10.01 | Rest Room | |
| | | | | | *************************************** | |
| Fotal Project Cost | 4,779,660 | 100.00 | 45.43 | 74.25 | Unassignable | |

USE CATEGORY TYPE:

LABORATORY

NEW CHILD STUDY CENTRE 1967 PROJECT NAME:

PROJECT NUMBER: OT034 BUILDING TYPE: SCIENCE

PROJECT TYPE:

UACP CODE:

NEW BUILDING

7-2 SUBMISSION DATE: 08/70

USE CATEGORY TYPE: LABORATORY

220 100

22/SEP/71

NASF: GSF:

62,205

37,581

NASF/GSF: TENDER/ESTIMATE DATE:

05/69 - 06/70

CONSTRUCTION TIME: MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) | 78,000 | 3.30 | 1.25 | 2.08 | Classroom | 25.8 |
| Site Develop. (Incl.) | 58,366 | 2.50 | .94 | 1.55 | | |
| Alter'ns & Renova'ns | 12,000 | .50 | .19 | .32 | Special Purpose | |
| lite Development | 148,366 | 6.30 | 2.39 | 3.95 | Research | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | 42.4 |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 10.6 |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment | 96,900 | 4.10 | 1.56 | 2.58 | Physical Education | _ |
| Cash Allowance | 51,150 | 2.20 | .82 | 1.36 | | |
| Built-in Equipment | 5,600 | .20 | .09 | .15 | Special Use | |
| Architectural | 1,041,450 | 44.50 | 16.74 | 27.71 | Audio Visual | 1.9 |
| Building Cost | 1,195,100 | 51.00 | 19.21 | 31.80 | Clinic | 6.2 |
| Di li la Di | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 000 000 | 4 4 4 4 4 | | | General Use | |
| lechanical | 368,800 | 15.70 | 5.93 | 9.81 | Assembly | 5.5 |
| Electrical | 198,000 | 8.50 | 0.10 | F 0= | Exhibition | Τ |
| Fed. Sales Tax Rebate | 54,968 | 2.30 | 3.18 | 5.27 | Food | 7.7 |
| red. Sales Tax Redate | 04,500 | 2.30 | .88 | 1.46 | Recreation | |
| ub-Total 'A' | 1,855,298 | 79.20 | 29.83 | 49.37 | Supporting | |
| | | | | | Data Processing | _ |
| P | 100 40 | F 00 | 0.40 | | Shops | _ |
| Fees | 130,497 | 5.60 | 2.10 | 3.47 | Physical Plant | - |
| Miscellaneous | 33,654 | 1.40 | .54 | .90 | | |
| Sub-Total 'B' | 164 151 | 7.00 | 0.04 | 4.07 | Central Utility | _ |
| ub-10tal B | 164,151 | 7.00 | 2.64 | 4.37 | m / 137.40P | 1000 |
| | | | | | Total NASF | 100.0 |
| Furniture | 119,130 | 5.10 | 1.92 | 3.17 | Non Assignable | |
| Equipment | 203,334 | 8.70 | 3.27 | 5.41 | Non-Assignable Custodial | |
| - darbaners | 200,001 | 0.10 | 0.21 | 0.41 | Custodial Circulation | |
| Sub-Total 'C' | 322,464 | 13.80 | 5.18 | 8.58 | Mechanical | |
| | 0==,:01 | 20.00 | 0.20 | 0.00 | Rest Room | |
| | | | | | Rest Room | |
| Total Project Cost | 2,341,913 | 100.00 | 37.65 | 62.32 | Unassignable | |

PROJECT NAME:

BIOLOGY-65

PROJECT NUMBER: QU001 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

SUBMISSION DATE: 10/67

NEW BUILDING

22/SEP/71

NASF:

GSF: NASF/GSF:

80,718 140,226

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

10/63 10/63 - 02/65

MARKET CONDITION: BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | 61,457 | 2.10 | .44 | .76 | Classroom | 5.2 |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | | name. | - | - | Special Purpose | |
| ite Development | 61,457 | 2.10 | .44 | .76 | Research | 6.3 |
| | | | | | Laboratory | 72.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 066: | |
| Int. Vert. Elements | | | | | Office | 11.7 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 384,000 | 13.10 | 2.74 | 4.76 | Physical Education | |
| Cash Allowance | 28,482 | 1.00 | .20 | .35 | I ily sical Education | |
| Built-in Equipment | 42,000 | 1.40 | .30 | .52 | Special Use | |
| Architectural | 1,119,220 | 38.10 | 7.98 | 13.87 | Audio Visual | 0.6 |
| uilding Cost | 1,573,702 | 53.60 | 11.22 | 19.50 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 531,547 | 18.10 | 3.79 | 6.59 | Assembly | - |
| | | | | ь | Exhibition | 1.8 |
| Electrical | 169,000 | 5.80 | 1.21 | 2.09 | Food | |
| Fed. Sales Tax Rebate | 90,206 | 3.10 | .64 | 1.12 | Recreation | 1.2 |
| ub-Total 'A' | 2,245,500 | 76.50 | 16.01 | 27.82 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 157,223 | 5.40 | 1.12 | 1.95 | Physical Plant | _ |
| Miscellaneous | 28,309 | 1.00 | .20 | .35 | | |
| | | | | | Central Utility | _ |
| ab-Total 'B' | 185,532 | 6.30 | 1.32 | 2.30 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 99,432 | 3.40 | .71 | 1.23 | Non-Assignable | |
| Equipment | 406,000 | 13.80 | 2.90 | 5.03 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 505,432 | 17.20 | 3.60 | 6.26 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,936,464 | 100.00 | 20.94 | 36.38 | Unassignable | |

USE CATEGORY TYPE:

LABORATORY

PROJECT NAME:

PHYSICS-65

PROJECT NUMBER: QU003 BUILDING TYPE: SCIENCE

PROJECT TYPE: UACP CODE:

NEW BUILDING

7-2

SUBMISSION DATE: 10/67

22/SEP/71

NASF: GSF:

NASF/GSF: 07/62 TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

08/62 - 11/64

75,516

.56

133,770

MARKET CONDITION:

| OST ELEMENT | ACTUAL | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|-------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 130,626 | 3.70 | .98 | 1.73 | Classroom | 17.3 |
| Site Develop. (Incl.) | | | - | _ | | |
| Alter'ns & Renova'ns | | | Name (Control | _ | Special Purpose | |
| ite Development | 130,626 | 3.70 | .98 | 1.73 | Research | 3.5 |
| | | | | | Laboratory | 49.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | • | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 14.8 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 4.3 |
| Interior Finishes | | | | | | |
| Building Equipment | - | _ | | | Physical Education | |
| Cash Allowance | 754,035 | 21.50 | 5.64 | 9.99 | | |
| Built-in Equipment | _ | | _ | _ | Special Use | |
| Architectural | 1,118,509 | 31.80 | 8.36 | 14.81 | Audio Visual | 0.1 |
| uilding Cost | 1,872,544 | 53.30 | 14.00 | 24.80 | Clinic | |
| | _,, | | | | Demonstration | _ |
| Plumbing & Drains | | | | | 23 433 044 044 044 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 672,132 | 19.10 | 5.02 | 8.90 | Assembly | _ |
| | 0.2,102 | 20.10 | 0.02 | 0.50 | Exhibition | _ |
| Electrical | 343,562 | 9.80 | 2.57 | 4.55 | Food | _ |
| Fed. Sales Tax Rebate | 34,679 | 1.00 | .26 | .46 | Recreation | 1.6 |
| red. Sales Tax Techate | 04,070 | 1.00 | .20 | .40 | Recreation | 1.0 |
| ub-Total 'A' | 2,984,185 | 84.90 | 22.31 | 39.52 | Supporting | |
| | _,,_, | 0 1.0 0 | | 00.02 | Data Processing | _ |
| | | | | | Shops | |
| Fees | 186,947 | 5.30 | 1.40 | 2.48 | Physical Plant | 8.6 |
| Miscellaneous | 10,814 | .30 | .08 | .14 | i ilysicai i iaiti | 0.0 |
| | 20,011 | .00 | .00 | •1-2 | Central Utility | _ |
| ub-Total 'B' | 197,761 | 5.60 | 1.48 | 2.62 | Central Centry | |
| uo 10var B | 101,101 | 0.00 | 1.10 | 2.02 | Total NASF | 100.0 |
| | | | | | Total WASE | 100.0 |
| Furniture | 89,137 | 2.50 | .67 | 1.18 | Non-Assignable | |
| Equipment | 244,048 | 6.90 | 1.82 | 3.23 | Custodial | |
| ~ d arbitrari | 2 210 20 | 0.00 | 1.02 | 0.20 | Circulation | |
| ub-Total 'C' | 333,185 | 9.50 | 2.49 | 4.41 | Mechanical | |
| 40 1004 0 | 000,100 | 0.00 | 2.40 | 4.71 | Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 3,515,131 | 100.00 | 26.28 | 46.55 | Unassignable | |
| Ovar a rojecti Otost | . 0,010,101 | 100.00 | 20.20 | 20.00 | Unassignable | |

USE CATEGORY TYPE:

LABORATORY

22/SEP/71

PROJECT NAME: ANIMA PROJECT NUMBER: QU027

ANIMAL VIVARIUM

BUILDING TYPE:
PROJECT TYPE:

QU027 SCIENCE

PROJECT TYPE: NEW BUILDING UACP CODE: 7-1 SUBMISSION DATE: 01/69

USE CATEGORY TYPE:

NASF: GSF: 15,823 25,130

NASF/GSF:

.63

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

06/67 09/67 — 09/68 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | - | | _ | | Classroom | _ |
| Alter'ns & Renova'ns | 40,883 | 4.20 | 1.63 | 2.58 | | |
| Site Development | 40,883 | 4,20 | 1.63 | 2.58 | Special Purpose | |
| | | -120 | 1.00 | 4.00 | Research Laboratory | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | 89.4 |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements | | | | | Office | 10.6 |
| Interior Finishes Building Equipment | | | | | Library | - |
| Cash Allowance Built-in Equipment | | | | | Physical Education | - |
| Architectural | 465,176 | 47.40 | 10 51 | 00.40 | Special Use | |
| Building Cost | 465,176 | 47.40 | 18.51 18.51 | 29.40 29.40 | Audio Visual | |
| | 100,110 | *1.*** | 10.51 | 29.40 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 217,500 | 22.20 | 8.65 | 13.75 | Assembly | _ |
| 771 - 4 1 2 | | | | | Exhibition | _ |
| Electrical | 73,660 | 7.50 | 2.93 | 4.66 | Food | _ |
| Fed. Sales Tax Rebate | 31,889 | 3.30 | 1.27 | 2.02 | Recreation | _ |
| Sub-Total 'A' | 765,330 | 78.00 | 30.45 | 48.37 | Supporting | |
| | | | | | Data Processing | |
| Fees | 47,833 | 4.90 | 1.90 | 3.02 | Shops Physical Plant | - |
| Miscellaneous | 34,916 | 3.60 | 1.39 | 2.21 | Filysical Plant | _ |
| Sub-Total 'B' | 82,749 | 8.40 | 3.29 | 5.23 | Central Utility | _ |
| | | | | | Total NASF | 100.0 |
| Furniture | _ | | - | _ | Non-Assignable | |
| Equipment | 132,811 | 13.50 | 5.28 | 8.39 | Non-Assignable Custodial | |
| | | | | 0.00 | Circulation | |
| Sub-Total 'C' | 132,811 | 13.50 | 5.28 | 8.39 | Mechanical Rest Room | |
| Total Project Cost | 980,890 | 100.00 | 39.03 | 61.99 | Unassignable | |
| | | | | | | |

MATHEMATICS BUILDING PROJECT NAME:

PROJECT NUMBER: QU037 SCIENCE BUILDING TYPE: NEW BUILDING

PROJECT TYPE: 5

UACP CODE: SUBMISSION DATE: 03/70 22/SEP/71

41,640 NASF: 75,102 GSF: .55 NASF/GSF:

10/67 TENDER/ESTIMATE DATE:

11/68 - 09/69 CONSTRUCTION TIME:

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-------------------------|----------------------|
| Site Develop. (Excl.) | 1,400 | .10 | .02 | .03 | Classroom | 36.1 |
| Site Develop. (Incl.) | 139,606 | 5.30 | 1.86 | 3.35 | | |
| Alter'ns & Renova'ns | _ | _ | - | _ | Special Purpose | |
| ite Development | 141,006 | 5.30 | 1.88 | 3.39 | Research | |
| tte Development | 111,000 | 0.00 | | | Laboratory | 4.0 |
| Indirect & Gen'l Exp | 183,546 | 7.00 | 2.44 | 4.41 | Dry Lab | |
| Substructure | 303,598 | 11.50 | 4.04 | 7.29 | Wet Lab | |
| Horizontal Elements | 258,749 | 9.80 | 3.45 | 6.21 | | |
| Exterior Cladding | 139,852 | 5.30 | 1.86 | 3.36 | Office | 29.4 |
| Int, Vert. Elements | 98,293 | 3.70 | 1.31 | 2.36 | | |
| Multi-Storey Elements | 57,882 | 2.20 | .77 | 1.39 | Library | 23.6 |
| | 105,031 | 4.00 | 1.40 | 2.52 | 210-423 | |
| Interior Finishes | 160,601 | 4.00 | 1.40 | | Physical Education | _ |
| Building Equipment | 61.006 | 2.30 | .81 | 1.47 | 1119 52042 204 40401011 | |
| Cash Allowance | 61,006 | | 1.40 | 2.53 | Special Use | |
| Built-in Equipment | 105,502 | 4.00 | 1.40 | 2.00 | Audio Visual | 2,9 |
| Architectural | 4 04 0 45 0 | 40.00 | 177.40 | 31.54 | Clinic | _ |
| suilding Cost | 1,313,459 | 49.80 | 17.49 | 31.04 | Demonstration | _ |
| | | | 4.05 | 0.05 | Demonstration | |
| Plumbing & Drains | 93,874 | 3.60 | 1.25 | 2.25 | General Use | |
| Heat, Vent. & Cond. | 422,669 | 16.00 | 5.63 | 10.15 | | _ |
| Mechanical | 516,543 | 19.60 | 6.88 | 12.40 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 214,186 | 8.10 | 2.85 | 5.14 | Food | |
| Fed. Sales Tax Rebate | 87,352 | 3.30 | 1.16 | 2.10 | Recreation | _ |
| ub-Total 'A' | 2.097.842 | 79.50 | 27.93 | 50.38 | Supporting | |
| (A) 1 (VALL 1) | 2,000,000 | | | | Data Processing | 4.0 |
| | | | | | Shops | |
| Fees | 144,875 | 5.50 | 1.93 | 3.48 | Physical Plant | _ |
| Miscellaneous | 59,942 | 2.30 | .80 | 1.44 | | |
| Miscellaneous | 00,0 72 | 2.00 | | | Central Utility | |
| Sub-Total 'B' | 204.817 | 7.80 | 2,73 | 4.92 | | |
| oun-lotal D | 204,017 | 1.00 | 2 | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 143,000 | 5,40 | 1.90 | 3.43 | Non-Assignable | |
| | 192,500 | 7.30 | 2.56 | 4.62 | Custodial | |
| Equipment | 192,300 | 1.00 | 2.00 | 2.02 | Circulation | |
| 3 t m + 1 (61 | 225 500 | 12.70 | 4.47 | 8.06 | Mechanical | |
| Sub-Total 'C' | 335,500 | 12.70 | 12.72 / | 0.00 | Rest Room | |
| | | | | | Rest Room | |
| makal Businest Cont | 2,638,159 | 100.00 | 35.13 | 63.36 | Unassignable | |
| Total Project Cost | 2,000,100 | 100.00 | 00.10 | 00.00 | O 1100018110010 | |

USE CATEGORY TYPE:

CLASSROOM

22/SEP/71

PROJECT NAME: ZOOLO PROJECT NUMBER: TO015

ZOOLOGY BUILDING

BUILDING TYPE: PROJECT TYPE:

SCIENCE NEW BUILDING

UACP CODE: 7-2 SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF: GSF:

139,590 251,376

.56

NASF/GSF:

11/62

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

01/63 - 07/65

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop, (Excl.) Site Develop, (Incl.) | 44,006 | .60 | .18 | .32 | Classroom | |
| Alter'ns & Renova'ns | 99,650 | 1.30 | .40 | .71 | | |
| Site Development | 143,656 | 1.90 | .57 | 1.03 | Special Purpose Research | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements Interior Finishes Building Equipment | | | | | Library | |
| Cash Allowance | | | _ | _ | Physical Education | |
| Built-in Equipment | 68,840 | .90 | .27 | .49 | | |
| Architectural | 2,395,573 | | | | Special Use | |
| Building Cost | | 31.80 | 9.53 | 17.16 | Audio Visual | |
| | 2,464,413 | 32.70 | 9.80 | 17.65 | Clinic Demonstration | |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | | |
| Mechanical | 1,714,932 | 00.00 | | | General Use | |
| | | 22.80 | 6.82 | 12.29 | Assembly Exhibition | |
| Electrical | 712,669 | 9.50 | 2.84 | 5.11 | Food | |
| Fed. Sales Tax Rebate | 111,353 | 1.50 | .44 | .80 | Recreation | |
| Sub-Total 'A' | 4,924,317 | 65.40 | 19.59 | 35.28 | Supporting Data Processing | |
| Fees | 200.00 | | | | Shops | |
| Miscellaneous | 392,884 | 5.20 | 1.56 | 2.81 | Physical Plant | |
| Miscenaneous | 159,974 | 2.10 | .64 | 1.15 | | |
| ub-Total 'B' | 552,858 | 7.30 | 2.20 | 3.96 | Central Utility | |
| | | | | | Total NASF | |
| Furniture | 1,513,315 | 20.10 | 6.02 | 10.84 | Non Assistant | |
| Equipment | 540,000 | 7.20 | 2.15 | 3.87 | Non-Assignable | |
| | | | 2.10 | 0.01 | Custodial | |
| dub-Total 'C' | 2,053,315 | 27.30 | 8.17 | 14.71 | Circulation Mechanical Rest Room | |
| Fotal Project Cost | 7,530,490 | 100.00 | 29.96 | 53.95 | Unassignable | |

PROJECT NAME: PHYSICS BLDG.

PROJECT NUMBER: TOO17 BUILDING TYPE: SCIENCE

NEW BUILDING PROJECT TYPE:

7-2 UACP CODE: SUBMISSION DATE: 10/68 22/SEP/71

NASF: GSF:

135,186 292,828 .46

NASF/GSF:

04/64

TENDER/ESTIMATE DATE:

05/64 - 01/66NORMAL

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 151,000 | 1.30 | .52 | 1.12 | Classroom | |
| Site Develop. (Incl.) | 98,387 | .90 | .34 | .73 | | |
| Alter'ns & Renova'ns | | _ | _ | _ | Special Purpose | |
| Site Development | 249,387 | 2,20 | .85 | 1.84 | Research | |
| Site Development | 240,001 | 2.20 | | | Laboratory | |
| * 1' - 1 0 C - 11 F | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | 0.88 | Discourse I Fiducation | |
| Building Equipment | 117,156 | 1.00 | .40 | .87 | Physical Education | |
| Cash Allowance | 96,402 | .90 | .33 | .71 | | |
| Built-in Equipment | _ | | | _ | Special Use | |
| Architectural | 5,492,599 | 49.00 | 18.76 | 40.63 | Audio Visual | |
| Building Cost | 5,706,157 | 50.90 | 19.49 | 42.21 | Clinic | |
| 200000000000000000000000000000000000000 | - , , | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,865,019 | 16.60 | 6.37 | 13.80 | Assembly | |
| Mechanical | 2,000,020 | | | | Exhibition | |
| Electrical | 1,070,537 | 9.60 | 3.66 | 7.92 | Food | |
| | 405,711 | 3.60 | 1.39 | 3.00 | Recreation | |
| Fed. Sales Tax Rebate | 405,111 | 0.00 | 2.00 | | | |
| 0.1.00-4-1441 | 8,485,389 | 75.70 | 28.98 | 62.77 | Supporting | |
| Sub-Total 'A' | 6,465,565 | 70.70 | 20.00 | | Data Processing | |
| | | | | | Shops | |
| | 200 200 | 5.60 | 2.13 | 4.60 | Physical Plant | |
| Fees | 622,389 | 3.30 | 1.28 | 2.77 | I II JOHN I I INII | |
| Miscellaneous | 374,292 | 3.30 | 1.20 | 2,11 | Central Utility | |
| | | 0.00 | 0.40 | 7.37 | Central Culity | |
| Sub-Total 'B' | 996,681 | 8.90 | 3.40 | 1.01 | m 4 1 37 4 C/F | |
| | | | | | Total NASF | |
| | | ~ ~ ~ | 0.04 | 4.05 | Non-Assignable | |
| Furniture | 656,097 | 5.90 | 2.24 | 4.85 | | |
| Equipment | 1,065,000 | 9.50 | 3.64 | 7.88 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 1,721,097 | 15.40 | 5.88 | 12.73 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 11,203,167 | 100.00 | 38.26 | 82.87 | Unassignable | |
| Total Project Cost | 11,203,167 | 100.00 | 38.26 | 82.87 | Unassignable | |

USE CATEGORY TYPE:

LABORATORY

22/SEP/71

NASF:

PROJECT NAME:

LABORATORY — GROUNDS BUILDING

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE: ER004 USE

SCIENCE NEW BUILDING USE CATEGORY TYPE: LABORATORY

220

GSF: NASF/GSF: 2,523 3,580 .70

UACP CODE: SUBMISSION DATE:

7 - 1 04/68 NASF/GSF: TENDER/ESTIMATE DATE:

03/68 05/68 — 08/68

CONSTRUCTION TIME: MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 1,936 | | | | Classroom | 15.5 |
| Alter'ns & Renova'ns | 1,930 | 2.10 | .54 | .77 | Cmanial Dames | |
| Site Development | 1,936 | 2.10 | .54 | .77 | Special Purpose Research | |
| | 2,000 | 2.20 | .0-2 | • • • • | Laboratory | 72.8 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Dry Lab Wet Lab | , <u> </u> |
| Exterior Cladding Int. Vert. Elements | | | | | Office | 4.9 |
| Multi-Storey Elements Interior Finishes | | | | | Library | - |
| Building Equipment Cash Allowance | | | | | Physical Education | - |
| Built-in Equipment Architectural | | | | | Special Use | |
| Building Cost | 50,798 | 55.40 | 14.19 | 20.13 | Audio Visual | |
| Dunuing Cost | 50,798 | 55.40 | 14.19 | 20.13 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | union. |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 18,709 | 20.40 | 5.23 | 7.42 | Assembly | *** |
| | -5, | 20.10 | 0.20 | 1.24 | Exhibition | _ |
| Electrical | 7,484 | 8.20 | 2.09 | 2.97 | Food | _ |
| Fed. Sales Tax Rebate | 3,151 | 3.40 | .88 | 1.25 | Recreation | |
| Sub-Total 'A' | 75,776 | 82.70 | 21.17 | 30.03 | Supporting | |
| | | | | | Data Processing | _ |
| _ | | | | | Shops | 6.7 |
| Fees | 2,600 | 2.80 | .73 | 1.03 | Physical Plant | _ |
| Miscellaneous | _ | - | - | _ | | |
| Sub-Total 'B' | 2,600 | 2.80 | .73 | 1.03 | Central Utility | _ |
| Sub-10tal B | 2,000 | 2.80 | .13 | 1.03 | Total NASF | 100.0 |
| | 40.000 | | | | | 100.0 |
| Furniture | 13,300 | 14.50 | 3.72 | 5.27 | Non-Assignable | |
| Equipment | _ | | - | _ | Custodial | |
| Sub-Total 'C' | 13,300 | 14.50 | 2.70 | F 0.0 | Circulation | |
| Dub-Total C | 10,000 | 14.50 | 3.72 | 5.27 | Mechanical Rest Room | |
| Total Project Cost | 91,676 | 100.00 | 25.61 | 36.34 | Unassignable | |

CHEMISTRY BLDG. & MECH. SERVICES EAST

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

PROJECT NAME:

UACP CODE:

TR011 SCIENCE

NEW BUILDING 7-2 02/70 USE CATEGORY TYPE:

LABORATORY RESEARCH 220 210 22/SEP/71

NASF: GSF: NASF/GSF:

45,965 90,756 .51

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

01/67 04/67 — 01/69

MARKET CONDITION: BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-------------------|--------------------|------------------|-------------------|--------------------------|-------------------------|
| Site Develop. (Excl.) | 323,412 | 5.60 | 3.56 | 7.04 | Classroom | 7.5 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | 341,784 | 5.90 | 3.77 | 7.44 | Special Purpose | |
| te Development | 665,196 | 11.40 | 7.33 | 14.47 | Research | 19.0 |
| | ,, | | | | Laboratory | 46.5 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 8.6 |
| Int. Vert. Elements Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | · | |
| Building Equipment Cash Allowance | | | | | Physical Education | - |
| Built-in Equipment | 38,461 503,626 | .70 8.70 | .42 5.55 | .84 10.96 | Special Use | |
| Architectural | 2,077,072 | 35.70 | 22.89 | 45.19 | Audio Visual | - |
| ilding Cost | 2,619,159 | 45.00 | 28.86 | 56.98 | Clinic Demonstration | 0.4 |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 1,109,617 | 19.10 | 12.23 | 24.14 | Assembly Exhibition | |
| Electrical | 419,184 | 7.20 | 4.62 | 9.12 | Food | dilativa |
| Fed. Sales Tax Rebate | 134,692 | 2.30 | 1.48 | 2.93 | Recreation | 4.4 |
| b-Total 'A' | 4,678,464 | 80.40 | 51.55 | 101.78 | Supporting | |
| | 2,010,202 | 00.20 | 01.00 | 202.10 | Data Processing | - |
| Fees | 444.044 | | | | Shops Physical Plant | 3.3 |
| Miscellaneous | 411,241 42,263 | 7.10 .70 | 4.53 47 | 8.95 .92 | rnysicai riant | _ |
| | · | | 10.4.1 | | Central Utility | 10.3 |
| ıb-Total 'B' | 453,504 | 7.80 | 5.00 | 9.87 | Total NASF | 100.0 |
| | | | | | Total NASI | 100.0 |
| Furniture | 80,083 | 1.40 | .88 | 1.74 | Non-Assignable | |
| Equipment | 605,000 | 10.40 | 6.67 | 13.16 | Custodial Circulation | |
| ib-Total 'C' | 685,083 | 11.80 | 7.55 | 14.90 | Mechanical | |
| | | | | | Rest Room | |
| tal Project Cost | 5,817,051 | 100.00 | 64.10 | 126.55 | Unassignable | |

PROJECT NAME:

CHEMISTRY & BIOLOGY 65

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE: UACP CODE:

SUBMISSION DATE:

WA001

SCIENCE NEW BUILDING

7-2 06/68 22/SEP/71

NASF: GSF: NASF/GSF: 112,000 172,700 .65

TENDER/ESTIMATE DATE: 10/63

11/63 - 12/65

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------|-------------------------|
| Site Develop. (Excl.) | | _ | _ | _ | Classroom | 9.4 |

USE CATEGORY TYPE:

LABORATORY

| Site Develop, (Excl.) | _ | _ | _ | | Classroom | 9.4 |
|---|------------|--------|----------|-------|--------------------|------------------------|
| Site Develop. (Incl.) | 40,375 | .90 | .23 | .36 | Classiconi | 3. x |
| Alter'ns & Renova'ns | | _ | | | Special Purpose | |
| Site Development | 40,375 | .90 | .23 | .36 | Research | 24.9 |
| | , | *** | .=0 | .00 | Laboratory | 56.2 |
| Indirect & Gen'l Exp | | | | | | 30.2 |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | 8.6 |
| Int. Vert. Elements | | | | | Office | 0.0 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Library | |
| Building Equipment | - | _ | MARINE . | _ | Physical Education | |
| Cash Allowance | _ | _ | _ | _ | rnysical Education | |
| Built-in Equipment | 154,787 | 3.30 | .90 | 1.38 | Special Use | |
| Architectural | 1,872,058 | 39.50 | 10.84 | 16.71 | Audio Visual | 0.1 |
| Building Cost | 2,026,845 | 42.70 | 11.74 | 18.10 | Clinic | |
| | | | | 10.10 | Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,085,739 | 22.90 | 6.29 | 9.69 | Assembly | - |
| | | | | 0.00 | Exhibition | |
| Electrical | 417,437 | 8.80 | 2.42 | 3.78 | Food | |
| Fed. Sales Tax Rebate | 143,615 | 3.00 | .83 | 1.28 | | 0.7 |
| | | | | 2.20 | Recreation | |
| Sub-Total 'A' | 3,426,781 | 72.30 | **** | | Supporting | |
| | 3,420,781 | 72.30 | 19.84 | 30.60 | | |
| | | | | | Data Processing | <u></u> |
| Fees | 216,830 | 4.00 | 4.00 | | Shops | _ |
| Miscellaneous | 60,167 | 4.60 | 1.26 | 1.94 | Physical Plant | |
| 110001144100043 | 60,167 | 1.30 | .35 | .54 | C 1 774 774 | |
| Sub-Total 'B' | 982 998 | | | | Central Utility | |
| 5 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 276,997 | 5.80 | 1.60 | 2.47 | M-4-1314 OF | 100.0 |
| | | | | | Total NASF | |
| Furniture | 628,000 | 10.00 | 0.01 | | Non Assignable | |
| Equipment | | 13.20 | 3.64 | 5.61 | Non-Assignable | |
| - 4 art-1101 | 410,000 | 8.60 | 2.37 | 3.66 | Custodial | |
| Sub-Total 'C' | 1.000.000 | | | | Circulation | |
| 20010 | 1,038,000 | 21.90 | 6.01 | 9.27 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | A # An ### | | | | TT | |
| 20111210,000 0030 | 4,741,778 | 100.00 | 27.46 | 42.34 | Unassignable | |
| | | | | | | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

WA017 SCIENCE NEW BUILDING

7-1 11/68

MATH. & COMPUTER BLDG. 65

USE CATEGORY TYPE:

OFFICE

300 810

22/SEP/71

NASF: GSF:

NASF/GSF:

08/66

189,117

299,905

.63

TENDER/ESTIMATE DATE: 09/66 - 12/68CONSTRUCTION TIME:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | - | Classroom | 23.9 |
| Site Develop. (Incl.) | 81,000 | 1.30 | .27 | .43 | | |
| Alter'ns & Renova'ns | _ | _ | _ | | Special Purpose | |
| Site Development | 81,000 | 1.30 | .27 | .43 | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | 3.6 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 40.5 |
| Int. Vert. Elements | | | | | Office | 40.0 |
| Multi-Storey Elements | | | | | Library | 1.2 |
| Interior Finishes | | | | | Distary | |
| Building Equipment | 67,000 | 1.10 | .22 | .35 | Physical Education | |
| Cash Allowance | 179,000 | 2.80 | .60 | .95 | | |
| Built-in Equipment | <u>-</u> | - | | _ | Special Use | |
| Architectural | 3,329,000 | 52.50 | 11.10 | 17.60 | Audio Visual | _ |
| Building Cost | 3,575,000 | 56.40 | 11.92 | 18.90 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent, & Cond. | | | | | | |
| Mechanical | 1,094,000 | 17.30 | 3.65 | 5.78 | General Use | _ |
| · · · · · · · · · · · · · · · · · · · | 1,094,000 | 17.30 | 3.00 | 0.16 | Assembly | _ |
| Electrical | 702,000 | 11.10 | 2.34 | 3.71 | Exhibition Food | 0.1 |
| Fed. Sales Tax Rebate | 218,080 | 3.40 | .73 | 1.15 | Recreation | 10.5 |
| | 220,000 | 0.20 | | | Recreation | |
| ub-Total 'A' | 5,233,920 | 82.60 | 17.45 | 27.68 | Supporting | |
| | | | | | Data Processing | 19.0 |
| | | | | | Shops | 0.6 |
| Fees | 327,100 | 5.20 | 1.09 | 1.73 | Physical Plant | _ |
| Miscellaneous | 163,550 | 2.60 | .55 | .86 | | |
| Cult / M = 4 = 1 4 TO 2 | 400.050 | E 50 | 1.04 | 0.50 | Central Utility | |
| Sub-Total 'B' | 490,650 | 7.70 | 1.64 | 2.59 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 512,000 | 8.10 | 1.71 | 2,71 | Non-Assignable | |
| Equipment | 100,000 | 1,60 | .33 | .53 | Non-Assignable Custodial | |
| | ., | | | | Circulation | |
| Sub-Total 'C' | 612,000 | 9.70 | 2.04 | 3.24 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | 27707 2400011 | |
| Total Project Cost | 6,336,570 | 100.00 | 21.13 | 33.51 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: WE003

CHEMISTRY BUILDINGS-65

BUILDING TYPE: PROJECT TYPE: UACP CODE:

SCIENCE

NEW BUILDING 7-2 SUBMISSION DATE: 11/67

USE CATEGORY TYPE:

RESEARCH LABORATORY 210 210 220 220 NASF: GSF:

56,626 92,552

NASF/GSF:

.61

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

10/63 10/63 - 11/65

MARKET CONDITION:

BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 90,246 | 2.90 | .98 | 1.59 | Classroom | |
| Alter'ns & Renova'ns | | | | | | |
| ite Development | 90,246 | 2.90 | .98 | 4 #0 | Special Purpose | |
| | 00,220 | 2.50 | .96 | 1.59 | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | | |
| Interior Finishes | | | | | Library | |
| Building Equipment | 91,100 | 3.00 | .98 | 1.61 | P1 1 | |
| Cash Allowance | 16,558 | .50 | .18 | .29 | Physical Education | |
| Built-in Equipment | 16,550 | .50 | .18 | .29 | 0 / 1 | |
| Architectural | 957,486 | 31.20 | 10.35 | 16.91 | Special Use | |
| uilding Cost | 1,081,694 | 35.20 | 11.69 | 19.10 | Audio Visual | |
| | | | 11.00 | 15.10 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | 0. 1** | |
| echanical | 783,550 | 25.50 | 8.47 | 13.84 | General Use | |
| | | | 0.1. | 10.04 | Assembly | |
| Electrical | 241,900 | 7.90 | 2.61 | 4.27 | Exhibition | |
| Fed. Sales Tax Rebate | 86,193 | 2.80 | .93 | 1.52 | Food | |
| | | | | 2.02 | Recreation | |
| ıb-Total 'A' | 2,111,197 | 68.70 | 22.81 | 37.28 | Supporting | |
| | | | | | Data Processing | |
| _ | | | | | Shops | |
| Fees | 136,327 | 4.40 | 1.47 | 2.41 | Physical Plant | |
| Miscellaneous | 3,356 | .10 | .04 | .06 | r nysicai Plant | |
| 1. 50 (1 (5) | | | | | Central Utility | |
| b-Total 'B' | 139,683 | 4.50 | 1.51 | 2.47 | ochida othicy | |
| | | | | | Total NASF | |
| Furniture | 497,216 | 16.20 | 5.37 | 8.78 | | |
| Equipment | 325,000 | 10.60 | 3.51 | 5.74 | Non-Assignable | |
| | | | 0.01 | 0.12 | Custodial | |
| b-Total 'C' | 822,216 | 26.80 | 8.88 | 14.52 | Circulation | |
| | | | 0.00 | 14.02 | Mechanical | |
| | | | | | Rest Room | |
| tal Project Cost | 3,073,096 | 100.00 | 33.20 | 54.27 | Unassignable | |
| | | | | | Unassignable | |

22/SEP/71

PROJECT NAME:

NATURAL SCIENCES BLDG 65

PROJECT NUMBER: WE005 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE: 7-2 SUBMISSION DATE: 11/67

NEW BUILDING

NASF: GSF:

50,319 85,689 .59

NASF/GSF:

TENDER/ESTIMATE DATE: 06/64

CONSTRUCTION TIME:

06/64 - 07/66

| MARKET CONDITION: | BUSY |
|-------------------|------|
|-------------------|------|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|---|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | 88,337 | 5.00 | 1.03 | 1.76 | Classroom | 19.4 |
| Site Develop. (Incl.) | | | - | _ | | |
| Alter'ns & Renova'ns | _ | _ | water | _ | Special Purpose | |
| lite Development | 88,337 | 5.00 | 1.03 | 1.76 | Research | _ |
| | | | | | Laboratory | 4.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 18.0 |
| Int, Vert, Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 33.3 |
| Interior Finishes | | | | | | 90.0 |
| Building Equipment | 62,830 | 3.60 | .73 | 1.25 | Physical Education | |
| Cash Allowance | 17,052 | 1.00 | .20 | .34 | | |
| Built-in Equipment | 101,952 | 5.80 | 1.19 | 2.03 | Special Use | |
| Architectural | 829,705 | 47.20 | 9.68 | 16.49 | Audio Visual | 1.8 |
| Building Cost | 1,011,539 | 57.50 | 11.80 | 20.10 | Clinic | |
| | | 01.00 | 11.00 | 20.10 | Demonstration | _ |
| Plumbing & Drains | | | | | 250111011001001011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 271,760 | 15.50 | 3.17 | 5.40 | Assembly | _ |
| 200334642045 | 2,1,00 | 20,00 | 01.4.1 | 0.40 | Exhibition | |
| Electrical | 140,105 | 8.00 | 1.64 | 2.78 | Food | 14.7 |
| Fed. Sales Tax Rebate | 70,138 | 4.00 | .82 | 1.39 | Recreation | 1.1 |
| rou. Dates fan itobate | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 2100 | .01 | 2.00 | it colleanon | *** |
| ub-Total 'A' | 1,441,603 | 82.00 | 16.82 | 28.65 | Supporting | |
| | -,, | | | | Data Processing | 6.1 |
| | | | | | Shops | - |
| Fees | 111.023 | 6.30 | 1.30 | 2.21 | Physical Plant | 0.9 |
| Miscellaneous | 1,578 | .10 | .02 | .03 | 2 22 / 52002 2 2022 | 0.0 |
| 111110011411100415 | _, | * | | | Central Utility | _ |
| Sub-Total 'B' | 112,601 | 6.40 | 1.31 | 2.24 | Central Centry | |
| Sub-Total B | | 0.20 | 2102 | 2.2.2 | Total NASF | 100.0 |
| | | | | | Total NASP | 100.0 |
| Furniture | 109,800 | 6.20 | 1.28 | 2.18 | Non-Assignable | |
| Equipment | 93,752 | 5.30 | 1.09 | 1.86 | Custodial | |
| Edathment | 00,.02 | 0.00 | 2100 | 1.00 | Circulation | |
| Sub-Total 'C' | 203,552 | 11.60 | 2.38 | 4.05 | Mechanical | |
| Sub-Total C | 200,002 | 11.00 | 2.00 | 4.00 | | |
| | | | | | Rest Room | |
| Fotal Project Cost | 1,757,756 | 100.00 | 20.51 | 34.93 | Unassignable | |
| .0041 1 10,000 0030 | 2,101,100 | 100.00 | 20.01 | 02.00 | O Hassignature | |

USE CATEGORY TYPE:

LIBRARY

22/SEP/71

PROJECT NAME: PROJECT NUMBER: WE019

LABATT GREENHOUSE 1966

BUILDING TYPE: SCIENCE PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 11/69 USE CATEGORY TYPE:

LABORATORY

220

NASF: GSF: NASF/GSF:

1,580 1,865 .85

TENDER/ESTIMATE DATE:

10/66

CONSTRUCTION TIME: MARKET CONDITION:

12/66 - 11/67 BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 180 | .30 | .10 | .11 | Classroom | |
| Alter'ns & Renova'ns | ***** | _ | _ | | | |
| ite Development | 180 | .30 | | | Special Purpose | |
| | 100 | .au | .10 | .11 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | 99.9 |
| Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | | | | | , | |
| Cash Allowance | | | | | Physical Education | - |
| Built-in Equipment | | | | | | |
| Architectural | 44,589 | 66.00 | 23.91 | 00.00 | Special Use | |
| uilding Cost | 44,589 | 66.00 | 23.91 | 28.22 | Audio Visual | |
| | , | 00.00 | 20.71 | 28.22 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 9,000 | 13.30 | 4.83 | 5.70 | Assembly | |
| | | | | 0.70 | Exhibition | _ |
| Electrical | 5,000 | 7.40 | 2.68 | 3.16 | Food | |
| Fed. Sales Tax Rebate | 2,739 | 4.10 | 1.47 | 1.73 | Recreation | |
| ab-Total 'A' | F 0 000 | | | | | |
| 10-10tal 'A' | 56,030 | 82.90 | 30.04 | 35.46 | Supporting | |
| | | | | | Data Processing | |
| Fees | 4 000 | | | | Shops | _ |
| Miscellaneous | 1,233 | 1.80 | .66 | .78 | Physical Plant | _ |
| Milocolatico do | 162 | .20 | .09 | .10 | | |
| ıb-Total 'B' | 1,395 | 2.10 | | | Central Utility | _ |
| | 1,050 | 2.10 | .75 | .88 | m / 127.00 | |
| | | | | | Total NASF | 99.9 |
| Furniture | 10,126 | 15.00 | 5.43 | 6.41 | Non-Assignable | |
| Equipment | _ | _ | | 0.41 | Custodial | |
| | | | | | Circulation | |
| ıb-Total 'C' | 10,126 | 15.00 | 5.43 | 6.41 | Mechanical | |
| | | | | | Rest Room | |
| atal Project Cost | 0.00 | | | | | |
| otal Project Cost | 67,551 | 100.00 | 36.22 | 42.75 | Unassignable | |
| | | | | | | |
| | | | | | | |

OBSERVATORY-66 PROJECT NAME:

PROJECT NUMBER: WE021

OBSERVATORIES BUILDING TYPE: NEW BUILDING PROJECT TYPE:

7-1 UACP CODE: SUBMISSION DATE: 11/69 USE CATEGORY TYPE: LABORATORY

22/SEP/71

NASF: GSF:

4,943 7,640 .65

NASF/GSF:

03/68 TENDER/ESTIMATE DATE:

07/68 - 12/69

CONSTRUCTION TIME:

BUSY MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) | 15,300 | 1.70 | 2.00 | 3.10 | Classroom | _ |
| Site Develop. (Incl.) | _ | _ | | _ | | |
| Alter'ns & Renova'ns | _ | _ | _ | | Special Purpose | _ |
| ite Development | 15,300 | 1.70 | 2.00 | 3.10 | Research | 67.4 |
| Indirect & Gen'l Exp Substructure | | | | | Laboratory Dry Lab Wet Lab | 07.4 |
| Horizontal Elements Exterior Cladding | | | | | Office | 4.6 |
| Int. Vert. Elements Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment | | _ | | _ | Physical Education | - |
| Cash Allowance | 738 | .10 | .10 | .15 | | |
| Built-in Equipment | | | | _ | Special Use | |
| Architectural | 252,495 | 28.50 | 33.05 | 51.08 | Audio Visual | - |
| Building Cost | 253,233 | 28.60 | 33.15 | 51.23 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 15,400 | 1.70 | 2.02 | 3.12 | Assembly | _ |
| | | | | | Exhibition | - |
| Electrical | 32,600 | 3.70 | 4.27 | 6.60 | Food | |
| Fed. Sales Tax Rebate | 12,404 | 1.40 | 1.62 | 2.51 | Recreation | 7.5 |
| Sub-Total 'A' | 304,129 | 34.30 | 39.81 | 61.53 | Supporting | |
| 740 10041 11 | | | | | Data Processing | - |
| | | | | | Shops | _ |
| Fees | 18,606 | 2.10 | 2.44 | 3.76 | Physical Plant | - |
| Miscellaneous | 9,303 | 1.00 | 1.22 | 1.88 | | |
| | | | | | Central Utility | 20.5 |
| Sub-Total 'B' | 27,909 | 3.10 | 3.65 | 5.65 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 4,000 | .50 | .52 | .81 | Non-Assignable | |
| Equipment | 550,574 | 62.10 | 72.06 | 111.38 | Custodial | |
| Lydipilitit | | | | | Circulation | |
| Sub-Total 'C' | 554,574 | 62.50 | 72.59 | 112.19 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 886,612 | 100.00 | 116.05 | 179.37 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: WI002 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 11/67

BIOLOGY 65

NEW BUILDING 7-2

USE CATEGORY TYPE:

LABORATORY

220 210

22/SEP/71

NASF: GSF:

42,897 63,179 .68

NASF/GSF: TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

11/64 11/64 -- 10/66

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 51,000 | 2.30 | .81 | 1.19 | Classroom | 3.3 |
| Site Develop. (Incl.) | _ | - | _ | | 0 110 | |
| Alter'ns & Renova'ns | 51,000 | 2.30 | .81 | | Special Purpose | 60.0 |
| ite Development | 51,000 | 2.30 | .01 | 1.19 | Research Laboratory | 32.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | 56.0 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 5.3 |
| Int, Vert, Elements | | | | | G | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 37,000 | 1.70 | .59 | .86 | Physical Education | - |
| Cash Allowance | 24,850 | 1.10 | .39 | .58 | | |
| Built-in Equipment | 203,000 | 9.20 | 3.21 | 4.73 | Special Use | |
| Architectural | 954,432 | 43.30 | 15.11 | 22.25 | Audio Visual | |
| suilding Cost | 1,219,282 | 55.40 | 19.30 | 28.42 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| [echanical | 386,870 | 17.60 | 6.12 | 9.02 | Assembly | Married |
| | 407.044 | | | | Exhibition | _ |
| Electrical | 165,614 | 7.50 | 2.62 | 3.86 | Food Recreation | |
| Fed. Sales Tax Rebate | 63,756 | 2.90 | 1.01 | 1.49 | Recreation | |
| ub-Total 'A' | 1,759,010 | 79.90 | 27.84 | 41.01 | Supporting | |
| | -,, | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 127,111 | 5.80 | 2.01 | 2.96 | Physical Plant | 3.4 |
| Miscellaneous | 16,489 | .70 | .26 | .38 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 143,600 | 6.50 | 2.27 | 3.35 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 300,000 | 13.60 | 4.75 | 6.99 | Non-Assignable | |
| Equipment | | and a | | enemb | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 300,000 | 13.60 | 4.75 | 6.99 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 2,202,610 | 100.00 | 34.86 | 51.35 | Unassignable | |

PROJECT NAME: MATHEMATICS BUILDING

PROJECT NUMBER: WI040 BUILDING TYPE: SCIENCE

PROJECT TYPE: NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 09/70 USE CATEGORY TYPE:

CLASSROOM

100 220 300

22/SEP/71

NASF: GSF:

77,056 133,369 .58

NASF/GSF:

MARKET CONDITION:

TENDER/ESTIMATE DATE: 04/70 CONSTRUCTION TIME:

04/70 - 09/71NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|--|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | 10,000 | .20 | .07 | .13 | Classroom | 35.6 |
| Site Develop. (Incl.) | 47,000 | .90 | .35 | .61 | | |
| Alter'ns & Renova'ns | | - | Name of the last o | | Special Purpose | |
| Site Development | 57,000 | 1.10 | .43 | .74 | Research | _ |
| | | | | | Laboratory | 31.4 |
| Indirect & Gen'l Exp | | | | | Dry Lab | 01.1 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Web Eas | |
| Exterior Cladding | | | | | Office | 27.2 |
| Int. Vert. Elements | | | | | 0.1100 | 21.2 |
| Multi-Storey Elements | | | | | Library | 1.5 |
| Interior Finishes | | | | | Dividiy | 1.5 |
| Building Equipment | 22,000 | ,40 | .16 | .29 | Physical Education | _ |
| Cash Allowance | 78,000 | 1.50 | .58 | 1.01 | 1 11 y Sicur Education | |
| Built-in Equipment | 37,000 | .70 | .28 | .48 | Special Use | |
| Architectural | 2,422,000 | 47.70 | 18.16 | 31.43 | Audio Visual | _ |
| Building Cost | 2,559,000 | 50.40 | 19.19 | 33.21 | Clinic | |
| | | | | 00.21 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 1,030,000 | 20.30 | 7.72 | 13.37 | Assembly | |
| | | 25.00 | 1.12 | 10.07 | | _ |
| Electrical | 643,000 | 12.70 | 4.82 | 8.34 | Exhibition Food | |
| Fed. Sales Tax Rebate | 128,670 | 2.50 | .96 | 1.67 | Recreation | |
| | | | .00 | 1.01 | Recreation | 2.9 |
| ub-Total 'A' | 4,160,330 | 82.00 | 31.19 | 53.99 | Commonting | |
| | -,, | 22.00 | 01.10 | 55.55 | Supporting | |
| | | | | | Data Processing | 1.5 |
| Fees | 291,220 | 5.70 | 2.18 | 3.78 | Shops | _ |
| Miscellaneous | 124,810 | 2.50 | | | Physical Plant | |
| | 124,610 | 2.50 | .94 | 1.62 | | |
| Sub-Total 'B' | 416,030 | 8.20 | 2.10 | F 40 | Central Utility | _ |
| | 410,000 | 8.20 | 3.12 | 5.40 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 300,000 | 5.90 | 0.05 | 2.00 | | |
| Equipment | 200,000 | 3.90 | 2.25 | 3.89 | Non-Assignable | |
| Joseph State Company | 200,000 | 3.80 | 1.50 | 2.60 | Custodial | |
| Sub-Total 'C' | 500,000 | 9.80 | 0.8% | 0.40 | Circulation | |
| | 500,000 | 3.00 | 3.75 | 6.49 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 5,076,360 | 100.00 | 29.06 | CF 90 | | |
| | 0,010,000 | 100.00 | 38.06 | 65.88 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: FARQUHARSON LIFE SCIENCES BLDG 1965

YO015 USE CATEGORY TYPE: SCIENCE LABORATORY

PROJECT TYPE: NEW BUILDING

UACP CODE: 7-2 SUBMISSION DATE: 10/70 220 210

NASF: GSF: NASF/GSF: 60,710 132,000 .46

TENDER/ESTIMATE DATE: 05/64
CONSTRUCTION TIME: 05/64

05/64 — 09/65

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | - | Classroom | 3.5 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | 15.9 |
| | | | | | Laboratory | 70.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 10.5 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | a.com | | _ | Physical Education | _ |
| Cash Allowance | 29,350 | .70 | .22 | .48 | | |
| Built-in Equipment | _ | _ | **** | _ | Special Use | |
| Architectural | 1,835,505 | 41.80 | 13.91 | 30.23 | Audio Visual | enna. |
| Suilding Cost | 1,864,855 | 42.50 | 14.13 | 30.72 | Clinic | - |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 613,566 | 14.00 | 4.65 | 10.11 | Assembly | _ |
| | | | | | Exhibition | was and the second |
| Electrical | 424,228 | 9.70 | 3.21 | 6.99 | Food | _ |
| Fed. Sales Tax Rebate | 116,106 | 2.60 | .88 | 1.91 | Recreation | |
| ub-Total 'A' | 2,786,543 | 63.50 | 21.11 | 45.90 | Supporting | |
| and a count is | 2,.00,010 | 00.00 | | | Data Processing | _ |
| | | | | | Shops | - |
| Fees | 174,159 | 4.00 | 1.32 | 2.87 | Physical Plant | _ |
| Miscellaneous | | _ | | _ | | |
| 1711000114110040 | | | | | Central Utility | _ |
| ub-Total 'B' | 174,159 | 4.00 | 1.32 | 2.87 | | |
| 10 10 10 | 212,000 | | | | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 515,428 | 11.70 | 3.90 | 8.49 | Non-Assignable | |
| Equipment | 912,100 | 20.80 | 6.91 | 15.02 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 1,427,528 | 32.50 | 10.81 | 23.51 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 4,388,230 | 100.00 | 33.24 | 72.28 | Unassignable | |

PROJECT NAME: BEHAVIOURAL SCIENCES - 65

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UACP CODE:

Y0022 SCIENCE NEW BUILDING

7-2 SUBMISSION DATE: 01/68

USE CATEGORY TYPE:

OFFICE 300 210 22/SEP/71

NASF: GSF: NASF/GSF:

03,130 .52 TENDER/ESTIMATE DATE: 06/65

53,625

CONSTRUCTION TIME: MARKET CONDITION:

07/65 - 08/67

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 8.9 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | | |
| te Development | | | | | Special Purpose | |
| oc Bevelopment | | | | | Research | 25.2 |
| Indirect & Gen'l Exp | | | | | Laboratory | 22.4 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 41.1 |
| Int. Vert. Elements | | | | | Office | 41.1 |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | Diorary | |
| Building Equipment | 94,743 | 2.50 | .92 | 1.77 | Physical Education | _ |
| Cash Allowance | 75,728 | 2.00 | .73 | 1.41 | - 11. J - 10. 11. 11. 11. 11. 11. 11. 11. 11. 11. | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 1,834,934 | 48.80 | 17.79 | 34.22 | Audio Visual | - |
| uilding Cost | 2,005,405 | 53.40 | 19.45 | 37.40 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 506,571 | 13.50 | 4.91 | 9.45 | Assembly | _ |
| 731- 4-7- 1 | 05.000 | 0.70 | | | Exhibition | 0.5 |
| Electrical | 357,300 | 9.50 | 3.46 | 6.66 | Food | quagan |
| Fed. Sales Tax Rebate | 125,267 | 3.30 | 1.21 | 2.34 | Recreation | - |
| nb-Total 'A' | 2,744,009 | 73.00 | 26.61 | 51.17 | Supporting | |
| | | | | | Data Processing | |
| _ | | | | | Shops | _ |
| Fees | 182,495 | 4.90 | 1.77 | 3.40 | Physical Plant | - |
| Miscellaneous | 42,948 | 1.10 | .42 | .80 | | |
| 1 m 4 1 /m1 | 007 440 | | | | Central Utility | - |
| ab-Total 'B' | 225,443 | 6.00 | 2.19 | 4.20 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 267,648 | 7.10 | 2.60 | 4.99 | Non-Assignable | |
| Equipment | 520,300 | 13.80 | 5.05 | 9.70 | Custodial | |
| | | | | 3 | Circulation | |
| ab-Total 'C' | 787,948 | 21.00 | 7.64 | 14.69 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | | |
| otal Project Cost | 3,757,400 | 100.00 | 36.43 | | | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

PETRIE SCIENCE BLDG 1966

Y0026 SCIENCE NEW BUILDING

7-2

10/70

USE CATEGORY TYPE: LABORATORY

220 300

NASF: GSF: NASF/GSF:

74,710 130,970 .57

09/66

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

10/66 - 06/68 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 3.7 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | 4.9 |
| Indirect & Gen'l Exp | | | | | Laboratory | 60.8 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 28.5 |
| Int. Vert. Elements | | | | | Office | 26.5 |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Library | |
| Building Equipment | 15,754 | .30 | .12 | .21 | Physical Education | _ |
| Cash Allowance | 65,800 | 1.20 | .50 | .88 | 2 II y Sicai Daucation | |
| Built-in Equipment | _ | _ | | parts. | Special Use | |
| Architectural | 2,088,339 | 37.30 | 15.95 | 27.95 | Audio Visual | |
| uilding Cost | 2,169,893 | 38.70 | 16.57 | 29.04 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 975,932 | 17.40 | 7.45 | 13.06 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 516,375 | 9.20 | 3.94 | 6.91 | Food | - |
| Fed. Sales Tax Rebate | 146,470 | 2.60 | 1.12 | 1.96 | Recreation | _ |
| ub-Total 'A' | 3,515,730 | 62.70 | 26.84 | 47.06 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 219,770 | 3.90 | 1.68 | 2.94 | Physical Plant | 2.1 |
| Miscellaneous | 32,000 | .60 | .24 | .43 | | |
| | | | | | Central Utility | |
| ab-Total 'B' | 251,770 | 4.50 | 1.92 | 3.37 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 720,000 | 12.80 | 5.50 | 9.64 | Non-Assignable | |
| Equipment | 1,117,000 | 19.90 | 8.53 | 14.95 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 1,837,000 | 32.80 | 14.03 | 24.59 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 5,604,500 | 100.0 | 42.79 | 75.02 | Unassignable | |



YO 36 / Central Library. Phase I - 1967

Shore & Moffat & Partners, Architec

Sciences Buildings Additions

PROJECT NAME:

OVC ANATOMY EXTENSION - 67

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

GU016 SCIENCE ADDITION

7-2 **UACP CODE:** SUBMISSION DATE: 08/70 USE CATEGORY TYPE:

NASF: GSF:

3,250 3,770 .86

NASF/GSF:

TENDER/ESTIMATE DATE: 07/67

08/67 - 05/68

CONSTRUCTION TIME: MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|------------------------|----------------|---|------------------|-------------------|------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | 3.8 |
| Site Develop. (Incl.) | 2,903 | 2.10 | .77 | .8 9 | | |
| Alter'ns & Renova'ns | _ | _ | | - | Special Purpose | |
| Site Development | 2,903 | 2.10 | .77 | .89 | Research | 12.1 |
| | | | | | Laboratory | 72.6 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 11.4 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | 2101419 | |
| Building Equipment | | | | • | Physical Education | _ |
| Cash Allowance | 1,064 | .80 | .28 | .33 | 1 II y Sicui Daucation | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 62,075 | 45.80 | 16.47 | 19.10 | Audio Visual | _ |
| Building Cost | 63,139 | 46.60 | 16.75 | 19.43 | Clinic | _ |
| | 00,103 | 40.00 | 10.70 | 13.40 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 26,947 | 19.90 | 7.15 | 8.29 | Assembly | _ |
| | 20,541 | 13.30 | 1.10 | 0.23 | Exhibition | _ |
| Electrical | 12,084 | 8.90 | 3.21 | 3.72 | Food | _ |
| Fed. Sales Tax Rebate | 3,722 | 2.70 | .99 | 1.15 | Recreation | 4-079 |
| rea, cares rax recoate | 3,122 | 2.70 | .55 | 1,13 | Recreation | |
| ub-Total 'A' | 101,351 | 74.90 | 26.88 | 31.18 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | <u> </u> |
| Fees | 8,412 | 6.20 | 2.23 | 2.59 | Physical Plant | _ |
| Miscellaneous | 4,770 | 3.50 | 1.27 | 1.47 | I my sical i fami | |
| | -,,,, | 3.33 | | 2021 | Central Utility | |
| ub-Total 'B' | 13,182 | 9.70 | 3.50 | 4.06 | Central Conity | |
| | , | • | 0.00 | 1.00 | Total NASF | 99.9% |
| | | | | | 10tal NASI | 001070 |
| Furniture | 815 | .60 | .22 | .25 | Non-Assignable | |
| Equipment | 20,044 | 14.80 | 5.32 | 6.17 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 20,859 | 15.40 | 5.53 | 6.42 | Mechanical | |
| | | | | 0 | Rest Room | |
| | | | | | Rest Room | |
| Total Project Cost | 135,392 | 100.00 | 35.91 | 41.66 | Unassignable | |
| | | | | 12.00 | OOSIBITADIO | |

PROJECT NAME:

CLASSROOM ADDITION — 65

PROJECT NUMBER: LA005 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

ADDITION 7-2 SUBMISSION DATE: 01/70

USE CATEGORY TYPE:

NASF:

5,927

GSF: NASF/GSF: 11,597

TENDER/ESTIMATE DATE: 05/65

CONSTRUCTION TIME: 05/65 - 09/65

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | _ | | | - | Classroom | 64.9 |
| Site Develop. (Incl.) | 20,000 | 5.90 | 1.72 | 3.37 | Special Purpose | |
| Alter'ns & Renova'ns | 20,000 | 5.90 | 1.72 | 3.37 | Research | _ |
| ite Development | 20,000 | 0.50 | 1.12 | 0.01 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 2.44 | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | 29.2 |
| Multi-Storey Elements Interior Finishes | | | | | Distary | |
| Building Equipment | 4,948 | 1.50 | .43 | .83 | Physical Education | _ |
| Cash Allowance | 1,000 | .30 | .09 | .17 | | |
| Built-in Equipment | | _ | - | _ | Special Use | |
| Architectural | 209,618 | 62.10 | 18.08 | 35.37 | Audio Visual | |
| uilding Cost | 215,566 | 63.90 | 18.59 | 36.37 | Clinic Demonstration | _ |
| Di line & Durine | | | | | Demonstration | |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 68,559 | 20.30 | 5.91 | 11.57 | Assembly | _ |
| rechanical | 00,000 | | | | Exhibition | _ |
| Electrical | 24,500 | 7.30 | 2.11 | 4.13 | Food | _ |
| Fed. Sales Tax Rebate | 12,302 | 3.60 | 1.06 | 2.08 | Recreation | _ |
| 1 m-4-1441 | 316,323 | 93.80 | 27.28 | 53.37 | Supporting | |
| ub-Total 'A' | 310,343 | 53.60 | 21.20 | 00.0. | Data Processing | 3.5 |
| | | | | | Shops | |
| Fees | 20,974 | 6.20 | 1.81 | 3.54 | Physical Plant | 2.2 |
| Miscellaneous | _ | _ | _ | _ | | _ |
| | | | | | Central Utility | |
| ub-Total 'B' | 20,974 | 6.20 | 1.81 | 3.54 | Total NASF | 99.8% |
| | | | | | Total NAST | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| Eduibilient | | | | | Circulation | |
| ub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 337,297 | 100.00 | 29.08 | 56.91 | Unassignable | |

PROJECT NAME:

NUCLEAR SCI BLDG 1-ANNEX

PROJECT NUMBER: MC029 BUILDING TYPE:

SCIENCE

PROJECT TYPE:

ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 11/67 USE CATEGORY TYPE:

NASF:

GSF:

2,434 2,891

NASF/GSF:

TENDER/ESTIMATE DATE: 04/67

.84

CONSTRUCTION TIME: 06/67 - 08/68

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 2,737 | 1.30 | .95 | 1.12 | Classroom | _ |
| Alter'ns & Renova'ns | _ | - | _ | _ | | |
| Site Development | 2,737 | _ | | - | Special Purpose | |
| or percuopment | 2,131 | 1.30 | .95 | 1.12 | Research | 100.0 |
| Indirect & Gen'l Exp | | | | | Laboratory | _ |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.44 | |
| Int. Vert. Elements | | | | | Office | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | 1.0 | Library | |
| Building Equipment | 6,569 | 3.20 | 2.27 | 2.70 | Physical Education | _ |
| Cash Allowance | 2,920 | 1.40 | 1.01 | 1.20 | 2 11 y Sacar Education | |
| Built-in Equipment Architectural | | _ | - | | Special Use | |
| Building Cost | 36,409 | 17.80 | 12.59 | 14.96 | Audio Visual | *** |
| Junumig Cost | 45,898 | 22.40 | 15.88 | 18.86 | Clinic | was |
| Plumbing & Drains | | | | | Demonstration | - |
| Heat. Vent. & Cond. | | | | | | |
| Mechanical | 16,822 | 8.20 | F 00 | | General Use | |
| | 10,822 | 8.20 | 5.82 | 6.91 | Assembly | - |
| Electrical | 22,543 | 11.00 | 7.80 | 0.00 | Exhibition | _ |
| Fed. Sales Tax Rebate | | 11.00 | 7.60 | 9.26 | Food Recreation | _ |
| | | | | - | Recreation | |
| Sub-Total 'A' | 88,000 | 42,90 | 30.44 | 36.15 | Supporting | |
| | | | | 00.10 | Data Processing | _ |
| 77 | | | | | Shops | _ |
| Fees Miscellaneous | 5,000 | 2.40 | 1.73 | 2.05 | Physical Plant | |
| Miscellaneous | 3,000 | 1.50 | 1.04 | 1.23 | | |
| Sub-Total 'B' | 0.000 | | | | Central Utility | _ |
| | 000,8 | 3.90 | 2.77 | 3.29 | | |
| | | | | | Total NASF | 100.0% |
| Furniture | _ | | _ | | 27 | |
| Equipment | 109,000 | 53.20 | 37.70 | 44.78 | Non-Assignable | |
| | , | 00.20 | 31.10 | 44.75 | Custodial Circulation | |
| ub-Total 'C' | 109,000 | 53.20 | 37.70 | 44.78 | Mechanical | |
| | | | | 11110 | Rest Room | |
| 1-1-12 | | | | | itest iteomi | |
| otal Project Cost | 205,000 | 100.00 | 70.91 | 84.22 | Unassignable | |

PROJECT NAME:

N W EXT. TO PHYSICAL SCI. BLDG.

PROJECT NUMBER: MC050 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

SUBMISSION DATE: 06/69

ADDITION 7-1

USE CATEGORY TYPE:

NASF:

26,178

GSF: NASF/GSF: 45,966

TENDER/ESTIMATE DATE: 03/69

CONSTRUCTION TIME: 10/69 - 01/71

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 34,204 | 1.90 | .74 | 1.31 | Classroom | 16.3 |
| Site Develop. (Incl.) | 17,700 | 1.00 | .39 | .68 | | |
| Alter'ns & Renova'ns | 53,200 | 3.00 | 1.16 | 2.03 | Special Purpose | |
| Site Development | 105,104 | 5.90 | 2.29 | 4.01 | Research | |
| Site Development | 100,104 | 3.00 | | | Laboratory | 58.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 13.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 9.5 |
| Interior Finishes | | | | | | |
| Building Equipment | 4,570 | .30 | .10 | .17 | Physical Education | - |
| Cash Allowance | 87,150 | 4.90 | 1.90 | 3.33 | | |
| Built-in Equipment | 8,752 | .50 | .19 | .33 | Special Use | |
| Architectural | 739,934 | 41.40 | 16.10 | 28.27 | Audio Visual | _ |
| | 840,406 | 47.00 | 18.28 | 32.10 | Clinic | _ |
| Building Cost | 840,400 | 21.00 | 10.20 | 0010 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 244,180 | 13.70 | 5.31 | 9.33 | Assembly | — _. |
| wechanical | 244,100 | 10 | | | Exhibition | .4 |
| Electrical | 128,100 | 7.20 | 2.79 | 4.89 | Food | .7 |
| Fed. Sales Tax Rebate | _ | | _ | _ | Recreation | |
| red. Sales Tax Repair | | | | | | |
| Sub-Total 'A' | 1,317,790 | 73.70 | 28.67 | 50.34 | Supporting | |
| Sub-Total A | 1,011,100 | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 87,000 | 4.90 | 1.89 | 3.32 | Physical Plant | 1.3 |
| Miscellaneous | 40,000 | 2.20 | .87 | 1.53 | | |
| wiscenaneous | 40,000 | 2.20 | | | Central Utility | |
| Sub-Total 'B' | 127,000 | 7.10 | 2.76 | 4.85 | | 00.00 |
| Sub-Total B | 127,000 | 7.10 | 2 | | Total NASF | 99.6% |
| | | | | | | |
| Furniture | 134,000 | 7.50 | 2.92 | 5.12 | Non-Assignable | |
| Equipment | 209,000 | 11.70 | 4.55 | 7.98 | Custodial | |
| Lymphion | | | | | Circulation | |
| Sub-Total 'C' | 343,000 | 19.20 | 7.46 | 13.10 | Mechanical | |
| Dub Total O | 0.10,100 | | | | Rest Room | |
| | | | | | Unassignable | |
| Total Project Cost | 1,787,790 | 100.00 | 38.89 | 68.29 | Ullassigilable | |

PROJECT NAME:

CHEMISTRY ADDITION 67

PROJECT NUMBER: QU057 BUILDING TYPE: PROJECT TYPE:

SCIENCE

ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 10/68 USE CATEGORY TYPE:

NASF: GSF:

15,859 27,460

NASF/GSF:

.58

TENDER/ESTIMATE DATE: 09/68

CONSTRUCTION TIME: MARKET CONDITION:

10/68 - 08/69SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 12,000 | .90 | .44 | .76 | Classroom | 5.9 |
| Alter'ns & Renova'ns Site Development | 90,879 102,879 | 6.50 7.40 | 3.31 3.75 | 5.73 6.49 | Special Purpose Research | 10.1 |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | 64.3 |
| Exterior Cladding Int. Vert. Elements Multi-Storey Elements | | | | | Office | 7.4 |
| Interior Finishes Building Equipment | | | | | Library | 6.8 |
| Cash Allowance Built-in Equipment | 22,500 190,000 | 1.60 | .82 | 1.42 | Physical Education | _ |
| Architectural | 397,933 | 13.60 | 6.92 | 11.98 | Special Use | |
| uilding Cost | 610,433 | 28.60 | 14.49 | 25.09 | · Audio Visual | |
| | 610,433 | 43.90 | 22.23 | 38.49 | Clinic | - |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | Demonstration | _ |
| lechanical | 267,000 | 19.20 | 9.72 | 1004 | General Use | |
| | 201,000 | 15.20 | 8.72 | 16.84 | Assembly | _ |
| Electrical | 109,000 | 7.80 | 2.07 | 0.0= | Exhibition | _ |
| Fed. Sales Tax Rebate | 44,888 | 3.20 | 3.97 | 6.87 | Food | .7 |
| | 41,000 | 3.20 | 1.63 | 2.83 | Recreation | _ |
| ub-Total 'A' | 1,044,424 | 75.00 | 38.03 | 65.86 | Supporting | |
| | | | | | Data Processing | |
| Fees | 70,865 | 5,10 | 2.58 | | Shops | nime |
| Miscellaneous | 46,221 | 3.30 | 1.68 | 4.47 | Physical Plant | 4.5 |
| | *0,221 | 0.00 | 1.05 | 2.91 | | |
| ıb-Total 'B' | 117,086 | 8.40 | 4.26 | 7.00 | Central Utility | _ |
| | 111,000 | 6.40 | 4.26 | 7.38 | Total NASF | 99.7% |
| Furniture | 42,000 | 3.00 | 1.50 | 0.05 | | |
| Equipment | 188,500 | | 1.53 | 2.65 | Non-Assignable | |
| - Transcent | 100,000 | 13.50 | 6.86 | 11.89 | Custodial | |
| ub-Total 'C' | 230,500 | 16.60 | 0.00 | | Circulation | |
| | 230,000 | 16.60 | 8.39 | 14.53 | Mechanical Rest Room | |
| otal Project Cost | 1,392,010 | 100.00 | 50.69 | 87.77 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: BIOLOGY BLDG EXT ANIMAL HOUSING

BUILDING TYPE: PROJECT TYPE: TR032 SCIENCE

SCIENCE

UACP CODE: 7-1 SUBMISSION DATE: 05/71 NASF:

GSF: NASF/GSF: 1,300 1,933 .67

TENDER/ESTIMATE DATE: 03/71
CONSTRUCTION TIME: 06/71

03/71 06/71 - 10/71

MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| lite Development | | | | | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory | 100.0 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 1,600 | 1.40 | .83 | 1.23 | I II y SICUL DA ACUIVOII | |
| Built-in Equipment | _ | | _ | | Special Use | |
| Architectural | 40,716 | 35.90 | 21.06 | 31.32 | Audio Visual | - |
| uilding Cost | 42,316 | 37.30 | 21.89 | 32.55 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 33,000 | 29.10 | 17.07 | 25.38 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 7,500 | 6.60 | 3.88 | 5.77 | Food | _ |
| Fed. Sales Tax Rebate | 2,416 | 2.10 | 1.25 | 1.86 | Recreation | where |
| ub-Total 'A' | 80,400 | 70.90 | 41.59 | 61.85 | Supporting | |
| | | | | | Data Processing | **** |
| | | | | | Shops | |
| Fees | 5,600 | 4.90 | 2.90 | 4.31 | Physical Plant | _ |
| Miscellaneous | 2,400 | 2.10 | 1.25 | 1.85 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 8,000 | 7.10 | 4.14 | 6.15 | | 440.00 |
| | | | | | Total NASF | 100.0% |
| Furniture | _ | _ | | - | Non-Assignable | |
| Equipment | 25,000 | 22.00 | 12.93 | 19.23 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 25,000 | 22.00 | 12.93 | 19.23 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 113,400 | 100.00 | 58.67 | 87.23 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

BIOLOGY ADDITION 66

PROJECT NUMBER: WA025 BUILDING TYPE: PROJECT TYPE:

SCIENCE ADDITION

UACP CODE: 7-1 SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF:

43,971

GSF: NASF/GSF: 76,261 .58

TENDER/ESTIMATE DATE: 06/66

CONSTRUCTION TIME: 07/66 - 09/67

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL * \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|------------------|-----------------------|-------------------------|
| Site Develop. (Excl.) | | | _ | _ | Classroom | 6.0 |
| Site Develop. (Incl.) | 32,075 | 1.20 | .42 | .73 | | |
| Alter'ns & Renova'ns | 20.075 | 1.00 | - | | Special Purpose | 00.0 |
| Site Development | 32,075 | 1.20 | .42 | .73 | Research | 30.2 |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | 49.2 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 14.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 19,500 | .70 | .26 | .44 | | |
| Built-in Equipment | 253,657 | 9.40 | 3.33 | 5.77 | Special Use | |
| Architectural | 830,782 | 30.80 | 10.89 | 18.89 | Audio Visual | — <u> </u> |
| Building Cost | 1,103,939 | 40.90 | 14.48 | 25.11 | Clinic | .4 |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 393,251 | 14.60 | 5.16 | 8.94 | Assembly | _ |
| 11100111111011 | 333,231 | 14.00 | 9.10 | 0.54 | Exhibition | _ |
| Electrical | 253,000 | 9.40 | 3.32 | 5.75 | Food | |
| Fed. Sales Tax Rebate | 71,290 | 2,60 | .93 | 1.62 | Recreation | _ |
| | , | | | | | |
| Sub-Total 'A' | 1,710,975 | 63.50 | 22.44 | 38.91 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 106,936 | 4.00 | 1.40 | 2.43 | Physical Plant | _ |
| Miscellaneous | 53,468 | 2.00 | .70 | 1.22 | | |
| | 4.00.404 | W 0.0 | 0.40 | | Central Utility | _ |
| Sub-Total 'B' | 160,404 | 5.90 | 2.10 | 3.65 | m / 1374.05 | 99.9% |
| | | | | | Total NASF | 33.376 |
| Furniture | 125,000 | 4.60 | 1.64 | 2.84 | Non-Assignable | |
| Equipment | 700,000 | 26.00 | 9.18 | 15.92 | Custodial | |
| 24 01 01 11 11 11 | .00,000 | 20.00 | 5.10 | 10.02 | Circulation | |
| Sub-Total 'C' | 825,000 | 30.60 | 10.82 | 18.76 | Mechanical | |
| | , | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 2,696,379 | 100.00 | 35.36 | 61.32 | Unassignable | |
| | | | | | | |

PROJECT NAME:

CHEMISTRY BUILDING EXPAN

PROJECT NUMBER: WA058 BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE: 06/70

UACP CODE:

SCIENCE ADDITION 7-1

USE CATEGORY TYPE:

NASF: GSF:

55,300

NASF/GSF:

97,400 .57

TENDER/ESTIMATE DATE: 04/70 CONSTRUCTION TIME: MARKET CONDITION:

06/70 - 09/71NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | | _ | _ | Classroom | 4.3 |
| Site Develop. (Incl.) | 52,895 | 1.40 | .54 | .96 | | |
| Alter'ns & Renova'ns | _ | | | _ | Special Purpose | |
| Site Development | 52,895 | 1.40 | .54 | .96 | Research | - |
| | | | | | Laboratory | 84.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 9.6 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 1.7 |
| Interior Finishes | 0.4.000 | | 0.5 | | | |
| Building Equipment | 24,366 | .60 | .25 | .44 | Physical Education | - |
| Cash Allowance | 41,000 | 1.10 | .42 | .74 | | |
| Built-in Equipment | 490,248 | 12.90 | 5.03 | 8.87 | Special Use | |
| Architectural | 1,138,185 | 29.90 | 11.69 | 20.58 | Audio Visual | _ |
| Building Cost | 1,693,799 | 44.40 | 17.39 | 30.63 | Clinic | - |
| 701 11 10 70 1 | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 4 000 400 | 22.22 | | 40.00 | General Use | |
| Techanical | 1,079,185 | 28.30 | 11.08 | 19.52 | Assembly | |
| T34 (* * | 10# 0# 0 | 45.85 | | | Exhibition | _ |
| Electrical | 405,950 | 10.70 | 4.17 | 7.34 | Food | |
| Fed. Sales Tax Rebate | 96,955 | 2.50 | 1.00 | 1.75 | Recreation | _ |
| ub-Total 'A' | 3,134,874 | 82.30 | 32.19 | 56.69 | Supporting | |
| do-10tal A | 0,104,074 | 02.00 | 02.10 | 50.05 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 302,080 | 7.90 | 3.10 | 5.46 | Physical Plant | _ |
| Miscellaneous | 94,046 | 2.50 | .97 | 1.70 | I liysicai i taitt | |
| miscellance as | 2 1,0 10 | 2.00 | | 2110 | Central Utility | apondo. |
| ub-Total 'B' | 396,126 | 10.40 | 4.07 | 7.16 | Central Conity | |
| ab lotal B | 500,120 | 20.20 | 2.01 | **** | Total NASF | 99.8% |
| | | | | | 1004111101 | |
| Furniture | 60,000 | 1.60 | .62 | 1.08 | Non-Assignable | |
| Equipment | 220,000 | 5.80 | 2.26 | 3.98 | Custodial | |
| - destruction | 220,000 | 0.00 | 2,20 | 0.00 | Circulation | |
| ub-Total 'C' | 280,000 | 7.30 | 2.87 | 5.06 | Mechanical | |
| | 200,000 | | 2.01 | 0.00 | Rest Room | |
| Cotal Project Cost | 3,811,000 | 100.00 | 39.13 | 68.92 | Unassignable | |

PROJECT NAME:

SCIENCES BLDG. ADDITION

PROJECT NUMBER: BUILDING TYPE:

WE004

PROJECT TYPE:

SCIENCE ADDITION

UACP CODE: 7-2 SUBMISSION DATE: 11/67 USE CATEGORY TYPE:

NASF:

49,386

GSF: NASF/GSF: 82,036 .60

TENDER/ESTIMATE DATE: 03/64

CONSTRUCTION TIME:

01/66

| CONSTRU | CITON LIME: | 03/04 |
|---------|-------------|-------|
| MARKET | CONDITION: | BUSY |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | 90,186 | 3.30 | 1.10 | 1.83 | Classroom | 13.5 |
| Site Develop. (Incl.) | _ | | _ | _ | | |
| Alter'ns & Renova'ns | 100,000 | 3.70 | 1.22 | 2.02 | Special Purpose | |
| Site Development | 190,186 | 7.00 | 2.32 | 3.85 | Research | 29.5 |
| | | | | | Laboratory | 45.2 |
| Indirect & Gen'l Exp | | | | | Dry Lab | 40.2 |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 9.7 |
| Int. Vert. Elements | | | | | Office | 5.1 |
| Multi-Storey Elements | | | | | T. D | 1.3 |
| Interior Finishes | | | | | Library | 1.3 |
| Building Equipment | 34,900 | 1.30 | .43 | .71 | Diserviced Dideservices | _ |
| Cash Allowance | 15,740 | .60 | .19 | | Physical Education | _ |
| Built-in Equipment | 15,740 | .00 | 19 | .32 — | | |
| Architectural | 943,557 | 34.90 | 11.50 | | Special Use | |
| | | | | 19.11 | Audio Visual | _ |
| Building Cost | 994,197 | 36.80 | 12.12 | 20.13 | Clinic | _ |
| D1 1' 0 D ' | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | F.O.F. 0.00 | 40.00 | | 40.00 | General Use | |
| Mechanical | 535,000 | 19.80 | 6.52 | 10.83 | Assembly | _ |
| | 4 20 000 | | | | Exhibition | _ |
| Electrical | 172,800 | 6.40 | 2.11 | 3.50 | Food | .4 |
| Fed. Sales Tax Rebate | 78,000 | 2.90 | .95 | 1.58 | Recreation | _ |
| Sub-Total 'A' | 1,814,183 | 67.20 | 22.11 | 36.73 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 111,136 | 4.10 | 1.35 | 2.25 | Physical Plant | |
| Miscellaneous | 43,086 | 1.60 | .53 | .87 | | |
| | | | | | Central Utility | e=== |
| Sub-Total 'B' | 154,222 | 5.70 | 1.88 | 3.12 | | |
| | | | | | Total NASF | 99.6% |
| Furniture | 321.827 | 11.90 | 3.92 | 6.52 | Non-Assignable | |
| Equipment | 410,000 | 15.20 | 5.00 | 8.30 | Custodial | |
| | 220,030 | 20120 | | 0.00 | Circulation | |
| Sub-Total 'C' | 731,827 | 27.10 | 8.92 | 14.82 | Mechanical | |
| | ,01,021 | 21.10 | 0.02 | 14.02 | Rest Room | |
| Total Project Cost | 2,700,232 | 100.00 | 32.92 | 54.68 | Unassignable | |

Sciences Buildings Alterations

PROJECT NAME:

GLENRIDGE CAMPUS ALTERATIONS - P2

PROJECT NUMBER: BR010 BUILDING TYPE:

SCIENCE

USE CATEGORY TYPE:

NASF: GSF:

24,684

PROJECT TYPE: ALTERATION UACP CODE: 7-2 SUBMISSION DATE: 05/68

NASF/GSF: TENDER/ESTIMATE DATE: 05/67

CONSTRUCTION TIME: 06/67 - 09/67

MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | |
| Alter'ns & Renova'ns | | | | | | |
| Site Development | | | | | Special Purpose Research | _ |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | _ |
| Exterior Cladding Int. Vert. Elements | | | | | Office | _ |
| Multi-Storey Elements Interior Finishes Building Equipment | | | | | Library | _ |
| Cash Allowance Built-in Equipment | | | | | Physical Education | |
| Architectural | | | | | Special Use | |
| Building Cost | | | | | Audio Visual | _ |
| | | | | | Clinic | _ |
| Plumbing & Drains Heat. Vent. & Cond. | | | | | Demonstration | - |
| lechanical | | | | | General Use | |
| | | | | | Assembly | |
| Electrical | | | | | Exhibition | _ |
| Fed. Sales Tax Rebate | | | | | Food Recreation | |
| ub-Total 'A' | 352,303 | 57.10 | - | 14.27 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | 15,051 | 2.40 | | | Shops | — |
| Miscellaneous | - | | _ | .61 — | Physical Plant | _ |
| ub-Total 'B' | 15,051 | 2.40 | _ | .61 | Central Utility | _ |
| | | | | | Total NASF | 0.0% |
| Furniture | _ | _ | _ | _ | Non Assistant la | |
| Equipment | 250,000 | 40.50 | ~ | 10.13 | Non-Assignable Custodial | |
| 1 | | | | 20110 | Custogiai Circulation | |
| ub-Total 'C' | 250,000 | 40.50 | _ | 10.13 | Mechanical Rest Room | |
| otal Project Cost | 617,354 | 100.00 | _ | 25.01 | Unassignable | |

19,300

PROJECT COST/SPACE RECORD

PROJECT NAME:

GLENRIDGE CAMPUS ALTERATIONS - P3

PROJECT NUMBER: BR019 BUILDING TYPE:

SCIENCE

USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 07/68

09/68 - 01/69CONSTRUCTION TIME: SLACK MARKET CONDITION:

PROJECT TYPE: ALTERATION UACP CODE: 7-2SUBMISSION DATE: 02/69

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop, (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | 0 110 | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| Site Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment | | | | | I ilysical Education | |
| Cash Allowance Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | | | | | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use Assembly | _ |
| Mechanical | | | | | Assembly Exhibition | _ |
| | | | | • | Food | _ |
| Electrical Fed. Sales Tax Rebate | | | | | Recreation | - |
| red. Sales Tax Rebate | | | | | | |
| Sub-Total 'A' | 314,907 | 58.40 | _ | 16.32 | Supporting | |
| July 10001 11 | , | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 29,391 | 5.40 | _ | 1.52 | Physical Plant | |
| Miscellaneous | _ | _ | | | Central Utility | _ |
| | 00.004 | F 40 | | 1.52 | Central Othity | |
| Sub-Total 'B' | 29,391 | 5.40 | _ | 1.02 | Total NASF | 0.0% |
| | | | | | 200022000 | |
| Furniture | _ | | _ | _ | Non-Assignable | |
| Equipment | 195,000 | 36.20 | | 10.10 | Custodial | |
| Zquipmenv | 200,000 | | | | Circulation | |
| Sub-Total 'C' | 195,000 | 36.20 | _ | 10.10 | Mechanical | |
| | | | | | Rest Room | |
| | | | | | Unassignable | |
| Total Project Cost | 539,298 | 100.00 | _ | 27.94 | Unassignable | |
| | | | | | | |

PROJECT NAME:

GLENRIDGE CAMPUS ALTERATIONS PHASE 38

PROJECT NUMBER: BR023 BUILDING TYPE:

SCIENCE

PROJECT TYPE: ALTERATION

UACP CODE: 7-1 SUBMISSION DATE: 08/69

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 07/69

11,185

CONSTRUCTION TIME:

MARKET CONDITION:

| COST ELEMENT | ACTUAL | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|---------|--------------------|------------------|-------------------|---------------------------|-------------------------|
| Site Develop. (Excl.) Site Develop. (Incl.) | | | | | Classroom | |
| Alter'ns & Renova'ns | | | | | | |
| ite Development | | | | | Special Purpose | |
| - Development | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | - |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | ** | | Diorary | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance Built-in Equipment | | | | | | |
| Architectural | | | | | Special Use | |
| uilding Cost | | | | | Audio Visual | _ |
| | | | | | Clinic | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat. Vent. & Cond. | | | | | | |
| [echanica] | | | | | General Use | |
| | | | | | Assembly | _ |
| Electrical | | | | | Exhibition Food | |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| | | | | | Recreation | |
| ub-Total 'A' | 323,300 | 64.20 | geneto | 28.90 | Supporting | |
| | | | | | Data Processing | _ |
| Fees | | | | | Shops | _ |
| Miscellaneous | 31,780 | 6.30 | _ | 2.84 | Physical Plant | |
| Miscellaneous | 9,700 | 1.90 | | .87 | | |
| ub-Total 'B' | 41 490 | 0.00 | | | Central Utility | - |
| | 41,480 | 8.20 | - | 3.71 | | |
| | | | | | Total NASF | 0.0% |
| Furniture | 4,000 | .80 | _ | 0.0 | | |
| Equipment | 135,000 | 26.80 | _ | .36 12.07 | Non-Assignable | |
| | | 20.00 | | 12.07 | Custodial | |
| ub-Total 'C' | 139,000 | 27.60 | _ | 12.43 | Circulation Mechanical | |
| | | | | 14.40 | Rest Room | |
| -4-1 P | | | | | rest Room | |
| otal Project Cost | 503,780 | 100.00 | _ | 45.04 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

E.W.R. STEACIE BUILDING — ALTER

PROJECT NUMBER: CA046 BUILDING TYPE:

SCIENCE

PROJECT TYPE:

ALTERATION

UACP CODE: SUBMISSION DATE: 08/68

7-1

NASF:

1,224

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 06/68

CONSTRUCTION TIME: MARKET CONDITION:

06/68 - 09/68NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|--------------------------------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | - |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | |
| Indirect & Gen'l Exp | | | | | Laboratory | 66.3 |
| Substructure | | | | | Dry Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | 0.44 | 33.7 |
| Int, Vert. Elements | | | | | Office | 33.7 |
| Multi-Storey Elements | | | | | 7 16 | |
| Interior Finishes | | | | | Library | _ |
| Building Equipment | 5,818 | 8.80 | | 4.75 | Physical Education | |
| Cash Allowance | 2,000 | 3.00 | | 1.63 | Physical Education | _ |
| Built-in Equipment | | - - | | - | Special Use | |
| Architectural | 4,661 | 7.10 | | 3.81 | Audio Visual | |
| Building Cost | 12,479 | 18.90 | - | 10.20 | Clinic | _ |
| | 1-,110 | 10.00 | | 10.20 | Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 6,920 | 10.50 | _ | 5.65 | Assembly | |
| | -, | | | 0.00 | Exhibition | _ |
| Electrical | 1,370 | .2.10 | - | 1.12 | Food | _ |
| Fed. Sales Tax Rebate | _ | wante | - | | Recreation | _ |
| ub-Total 'A' | 20,769 | 31.50 | | 16.97 | Company and in a | |
| do-Total A | 20,109 | 31.30 | | 16.97 | Supporting | _ |
| | | | | | Data Processing | |
| Fees | 2,077 | 3.10 | | 1.70 | Shops | _ |
| Miscellaneous | 623 | .90 | _ | .51 | Physical Plant | |
| Miscellaneous | 020 | .50 | | .01 | Central Utility | _ |
| ub-Total 'B' | 2,700 | 4.10 | _ | 2.21 | Central Othity | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 2.20 | | 2.21 | Total NASF | 100.0% |
| | | | | | | |
| Furniture | 3,350 | 5.10 | | 2.74 | Non-Assignable | |
| Equipment | 39,200 | 59.40 | - | 32.03 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 42,550 | 64.50 | _ | 34.76 | Mechanical | |
| | | | | | Rest Room | |
| Cotal Project Cost | 66,019 | 100.00 | _ | 53.94 | Unassignable | |
| | 00,013 | 100.00 | | 00.04 | OOIB.IMOIO | |

USE CATEGORY TYPE:

PROJECT NAME:

E.W.R. STEACIE BUILDING -- CONVERS

PROJECT NUMBER: CA066 BUILDING TYPE:

SCIENCE

PROJECT TYPE: UACP CODE:

ALTERATION 7-1 SUBMISSION DATE: 03/71

USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 03/71 CONSTRUCTION TIME:

MARKET CONDITION:

03/71 - 07/71NORMAL

2,011

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | 22.2 |
| ite Development | | | | | Research | 33.3 |
| | | | | | Laboratory | 43.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 056: | 9.8 |
| Exterior Cladding | | | | | Office | 3.0 |
| Int. Vert. Elements | | | | | T :1 | 12.9 |
| Multi-Storey Elements | | | | | Library | 12.0 |
| Interior Finishes Building Equipment | 19,509 | 27.60 | _ | 9.70 | Physical Education | _ |
| Cash Allowance | 20,000 | 28.30 | _ | 9.95 | i ny sicar Education | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 4,710 | 6.70 | _ | 2.34 | Audio Visual | |
| Building Cost | 44,219 | 62.60 | | 21.99 | Clinic | _ |
| randing coor | , | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond, | | | | | General Use | |
| Mechanical | 11,920 | 16.90 | _ | 5.93 | Assembly | _ |
| | | | | | Exhibition | |
| Electrical | 2,800 | 4.00 | - | 1.39 | Food | _ |
| Fed. Sales Tax Rebate | | _ | - | _ | Recreation | _ |
| Sub-Total 'A' | 58,939 | 83.50 | _ | 29.31 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 5,894 | 8.30 | _ | 2.93 | Physical Plant | _ |
| Miscellaneous | 1,768 | 2.50 | | .88 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 7,662 | 10.90 | _ | 3.81 | | 00.00 |
| | | | | | Total NASF | 99.9% |
| Furniture | 4,000 | 5.70 | _ | 1.99 | Non-Assignable | |
| Equipment | _ | | _ | _ | Custodial | |
| | | | * | | Circulation | |
| Sub-Total 'C' | 4,000 | 5.70 | _ | 1.99 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 70,601 | 100.00 | | 35.11 | Unassignable | |

PROJECT NAME:

ENVIRONMENTAL LABORATORY FOR B10

PROJECT NUMBER: CA067

USE CATEGORY TYPE:

BUILDING TYPE: SCIENCE

ALTERATION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 03/71

7-1

NASF:

GSF:

1,879 2,673 .70

NASF/GSF:

TENDER/ESTIMATE DATE: 03/71 CONSTRUCTION TIME:

03/71 - 06/71

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | 100.0 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 18,500 | 25.10 | 6.92 | 9.85 | Physical Education | |
| Cash Allowance | 4,000 | 5.40 | 1.50 | 2.13 | | |
| Built-in Equipment | <u> </u> | _ | _ | | Special Use | |
| Architectural | 11,700 | 15.90 | 4.38 | 6.23 | Audio Visual | |
| Building Cost | 34,200 | 46.50 | 12.79 | 18.20 | Clinic | |
| | , | | | | Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 14,500 | 19.70 | 5.42 | 7.72 | Assembly | |
| | 14,000 | 100 | 0.45 | | Exhibition | |
| Electrical | 5,800 | 7.90 | 2.17 | 3.09 | Food | _ |
| Fed. Sales Tax Rebate | | _ | | _ | Recreation | _ |
| red. Sales Tax Resale | | | | | Recreation | |
| ub-Total 'A' | 54,500 | 74.00 | 20.39 | 29.00 | Supporting | |
| 40 10 V41 11 | 04,000 | 7 - 2.00 | 20.00 | 25.00 | Data Processing | |
| | | | | | Shops | _ |
| Fees | 5,450 | 7.40 | 2.04 | 2.90 | Physical Plant | _ |
| Miscellaneous | 1,635 | 2.20 | .61 | .87 | Physical Plant | |
| Miscellaneous | 1,033 | 2.20 | .01 | ,01 | 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| ub-Total 'B' | E 00" | 0.00 | 0.45 | 0.88 | Central Utility | _ |
| do-Total B | 7,085 | 9.60 | 2.65 | 3.77 | m - 4 - 1 37 A O ID | |
| | | | | | Total NASF | 100.0% |
| Furniture | | | _ | | Non-Assignable | |
| Equipment | 12,030 | 16.30 | 4.50 | 6.40 | Custodial | |
| Edgibilient | 12,030 | 10.30 | 4.00 | 6.40 | | |
| ub-Total 'C' | 10.000 | 10.20 | 4 50 | C 40 | Circulation | |
| ub-10tal C | 12,030 | 16.30 | 4.50 | 6.40 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 73,615 | 100.00 | 27.54 | 39.18 | Unassignable | |
| our roject oost | 10,010 | 100.00 | 41.04 | 39.10 | Unassignable | |

PROJECT NAME:

H.M. TORY BUILDING ALTERATIONS

PROJECT NUMBER: CA076

SCIENCE

BUILDING TYPE: PROJECT TYPE: ALTERATION 7 - 1

UACP CODE: SUBMISSION DATE: 08/71

USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 07/71 07/71 - 09/71

CONSTRUCTION TIME:

BUSY MARKET CONDITION:

6,398

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | wet Lab | |
| Horizontal Elements | | | | | 044: | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | T 13 | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Discord Education | _ |
| Building Equipment | 10.000 | M 40 | | 1 5 0 | Physical Education | |
| Cash Allowance | 10,000 | 7.40 | _ | 1.56 | Constitution | |
| Built-in Equipment | | | _ | | Special Use | _ |
| Architectural | 58,029 | 42.70 | _ | 9.07 | Audio Visual | |
| Building Cost | 68,029 | 50.00 | _ | 10.63 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | F 10 | General Use | _ |
| Mechanical | 33,000 | 24.30 | _ | 5.16 | Assembly | |
| | | | | 0.41 | Exhibition | |
| Electrical | 15,400 | 11.30 | _ | 2.41 | Food | |
| Fed. Sales Tax Rebate | _ | _ | _ | | Recreation | |
| ub-Total 'A' | 116,429 | 85.60 | _ | 18.20 | Supporting | |
| 745 1 5 641 7 1 | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 11,643 | 8.60 | _ | 1.82 | Physical Plant | _ |
| Miscellaneous | 3,493 | 2.60 | _ | .55 | | |
| Miscellaticous | -, | | | | Central Utility | _ |
| ub-Total 'B' | 15,136 | 11.10 | _ | 2.37 | | |
| out-Total B | , | | | | Total NASF | 0.0% |
| Daniel de la constant | 2,900 | 2.10 | _ | .45 | Non-Assignable | |
| Furniture | 1,500 | 1.10 | _ | .23 | Custodial | |
| Equipment | 1,000 | 1,10 | | | Circulation | |
| 1 | 4,400 | 3.20 | | .69 | Mechanical | |
| Sub-Total 'C' | 1,100 | 0.=0 | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 135,965 | 100.00 | | 21.25 | Unassignable | |

PROJECT NAME: PROJECT NUMBER:

SOIL SCIENCE BLDG — AIR CONDITIONING

BUILDING TYPE: PROJECT TYPE:

GU047

SCIENCE

ALTERATION 7-1

UACP CODE: SUBMISSION DATE: 06/70

USE CATEGORY TYPE:

NASF: GSF:

26,105

NASF/GSF:

45,539 .57

TENDER/ESTIMATE DATE: 05/70

CONSTRUCTION TIME:

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|---|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | _ |
| Development | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| uilding Cost | | | | | Clinic | <u> </u> |
| DI 110 D | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | | | | Assembly | |
| [echanical | | | | | Exhibition | _ |
| Electrical | | | | to. | Food | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| red. Sales Tax Resave | | | | | 2000200000 | |
| ub-Total 'A' | 50,750 | 90.60 | 1.11 | 1.94 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 4,235 | 7.60 | .09 | .16 | Physical Plant | _ |
| Miscellaneous | 1,015 | 1.80 | .02 | .04 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 5,250 | 9.40 | .12 | .20 | | 0.0% |
| | | | | | Total NASF | 0.070 |
| | | | | | NT - A2 | |
| Furniture | | | | | Non-Assignable Custodial | |
| Equipment | | | | | Circulation | |
| ub-Total 'C' | | | | | Mechanical | |
| ub-Total C | | | | | Rest Room | |
| | | | | | itest itooni | |
| Cotal Project Cost | 56,000 | 100.00 | 1.23 | 2.15 | Unassignable | |
| | , | | | | | |

PROJECT NAME:

BIOLOGY BUILDING — ALTER RM — 105

PROJECT NUMBER: GU060 PROJECT TYPE:

BUILDING TYPE: SCIENCE

ALTERATION 7-2

UACP CODE: SUBMISSION DATE: 03/71

NASF:

GSF: NASF/GSF:

TENDER/ESTIMATE DATE: 08/70 CONSTRUCTION TIME: 08/70 - 02/71 MARKET CONDITION:

NORMAL

1,680

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | - | Classroom | _ |
| Site Develop. (Incl.) | | _ | | | | |
| Alter'ns & Renova'ns | 1,925 | 3.40 | _ | 1.15 | Special Purpose | |
| Site Development | 1,925 | 3.40 | _ | 1.15 | Research | _ |
| Indirect & Gen'l Exp | | | | | Laboratory Dry Lab | _ |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 10,349 | 18.10 | _ | 6.16 | Physical Education | _ |
| Cash Allowance | 229 | .40 | | .14 | | |
| Built-in Equipment Architectural | | _ | | _ | Special Use Audio Visual | |
| Architectural Building Cost | 10.578 | 18.50 | | 6.30 | Clinic | _ |
| building Cost | 10,070 | 10.00 | | 0.00 | Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 2,788 | 4.90 | _ | 1.66 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 4,100 | 7.20 | _ | 2.44 | Food | _ |
| Fed. Sales Tax Rebate | _ | _ | _ | _ | Recreation | _ |
| Sub-Total 'A' | 19,391 | 33.90 | _ | 11.54 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 1,357 | 2.40 | _ | .81 | Physical Plant | _ |
| Miscellaneous | | _ | _ | _ | | |
| | | 2.42 | | 0.4 | Central Utility | _ |
| Sub-Total 'B' | 1,357 | 2.40 | _ | .81 | Total NASF | 0.00 |
| | | | | | Total NASF | 0.0% |
| Furniture | 36,453 | 63.70 | | 21.70 | Non-Assignable | |
| Equipment | - | _ | _ | | Custodial | |
| | | | , | | Circulation | |
| Sub-Total 'C' | 36,453 | 63.70 | _ | 21.70 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 57,201 | 100.00 | _ | 34.05 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

CRAINE BUILDING - ALTERATIONS

PROJECT NUMBER: QU050 BUILDING TYPE:

SCIENCE

PROJECT TYPE:

ALTERATION

UACP CODE: 7-2 SUBMISSION DATE: 07/69

USE CATEGORY TYPE:

NASF: GSF:

14,827

NASF/GSF:

24,402

.61

TENDER/ESTIMATE DATE: 04/65 CONSTRUCTION TIME:

05/65 - 12/65

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|----------------------------------|-------------------------|
| Site Develop. (Excl.) | - | _ | | - | Classroom | _ |
| Site Develop. (Incl.) | 112,694 | 98.20 | 4.62 | 7.60 | | |
| Alter'ns & Renova'ns | | _ | 4.00 | — M 00 | Special Purpose | |
| ite Development | 112,694 | 98.20 | 4.62 | 7.60 | Research | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Laboratory Dry Lab Wet Lab | |
| Exterior Cladding Int, Vert, Elements | | | | | Office | _ |
| Multi-Storey Elements Interior Finishes | | | | | Library | _ |
| Building Equipment Cash Allowance | | | | | Physical Education | - |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| uilding Cost | | | | | Clinic | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | | | | | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | | | | • | Food | |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| ub-Total 'A' | 112,694 | 98.20 | 4.62 | 7.60 | Supporting | |
| | | | | | Data Processing | |
| 77 | | | | | Shops | |
| Fees Miscellaneous | | | | | Physical Plant | |
| ub-Total 'B' | | | | | Central Utility | _ |
| | | | | | Total NASF | 0.0% |
| Furniture | 2,033 | 1.80 | .08 | .14 | Non-Assignable | |
| Equipment | | _ | _ | | Custodial Circulation | |
| ub-Total 'C' | 2,033 | 1.80 | .08 | .14 | Mechanical Rest Room | |
| otal Project Cost | 114,727 | 100.00 | 4.70 | 7.74 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: QU067

7-1

BUILDING TYPE: PROJECT TYPE:

SCIENCE ALTERATION

UACP CODE: SUBMISSION DATE: 02/69

PHYSICS BUILDING — ALTERATIONS

USE CATEGORY TYPE:

NASF: GSF:

13,250 18,200 .73

NASF/GSF:

TENDER/ESTIMATE DATE: 02/69

03/69 - 08/69

CONSTRUCTION TIME: MARKET CONDITION:

SLACK

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | 15,000 | 2.00 | .82 | 1.13 | Classroom | |
| Site Develop. (Incl.) | - | - | _ | _ | Control Downson | |
| Alter'ns & Renova'ns | Marrier . | _ | _ | | Special Purpose Research | 17.4 |
| te Development | 15,000 | 2.00 | .82 | 1.13 | Laboratory | 36.0 |
| | | | | | Dry Lab | 30.0 |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure | | | | | Wet Dab | |
| Horizontal Elements | | | | | Office | 17.3 |
| Exterior Cladding | | | | | Office | 11.0 |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements | | | | | Dibrary | |
| Interior Finishes | 05 800 | 3,50 | 1.42 | 1,95 | Physical Education | _ |
| Building Equipment | 25,788 | | .29 | .39 | I II y SICILI DE MONVIOLE | |
| Cash Allowance | 5,192 | .70 | | 59 | Special Use | |
| Built-in Equipment | 152,833 | 20.60 | 8.40 | 11.53 | Audio Visual | |
| Architectural | 183,813 | 24.80 | 10.10 | 13.87 | Clinic | |
| uilding Cost | 103,013 | 24.00 | 10.10 | 10.01 | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | 130,769 | 17.60 | 7.19 | 9.87 | Assembly | _ |
| iccitatical | 200,100 | | | | Exhibition | _ |
| Electrical | 37,500 | 5.10 | 2.06 | 2.83 | Food | _ |
| Fed. Sales Tax Rebate | 14,084 | 1.90 | .77 | 1.06 | Recreation | |
| | · | | | | | |
| ub-Total 'A' | 352,998 | 47.60 | 19.40 | 26.64 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 33,447 | 4.50 | 1.84 | 2.52 | Physical Plant | 29.2 |
| Miscellaneous | 12,437 | 1.70 | .68 | .94 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 45,884 | 6.20 | 2.52 | 3.46 | | 99.9% |
| | | | | | Total NASF | 33.3% |
| | 41.000 | 5.50 | 2,25 | 3.09 | Non-Assignable | |
| Furniture | 41,000 | | 16.62 | 22.83 | Custodial | |
| Equipment | 302,470 | 40.70 | 10.02 | 22.00 | Circulation | |
| 2.2 (2.1/0) | 0.40.400 | 40.00 | 10.07 | 95.09 | Mechanical | |
| Sub-Total 'C' | 343,470 | 46.30 | 18.87 | 25.92 | Rest Room | |
| | | | | | | |
| Total Project Cost | 742,352 | 100.00 | 40.79 | 56.03 | Unassignable | |

PROJECT NAME:

SCIENCE COMPLEX — AIR CONDITION

PROJECT NUMBER: TR027 BUILDING TYPE:

SCIENCE

PROJECT TYPE:

ALTERATION

UACP CODE:

7-1 SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 10/68 CONSTRUCTION TIME: 10/68 - 03/69

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 18,960 | 8,90 | _ | _ | | |
| Alter'ns & Renova'ns | _ | _ | _ | | Special Purpose | |
| lite Development | 18,960 | 8,90 | _ | _ | Research | _ |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 5,400 | 2.50 | - | _ | | |
| Built-in Equipment | | _ | _ | _ | Special Use | |
| Architectural | 17,850 | 8.40 | | | Audio Visual | _ |
| Building Cost | 23,250 | 10.90 | _ | _ | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Techanical Techanical | 106,070 | 49.90 | | _ | Assembly | _ |
| | | | | | Exhibition | - |
| Electrical | 42,200 | 19.80 | _ | _ | Food | _ |
| Fed. Sales Tax Rebate | | _ | _ | _ | Recreation | _ |
| ub-Total 'A' | 190,480 | 89.60 | | | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 11,430 | 5.40 | _ | _ | Physical Plant | _ |
| Miscellaneous | 5,715 | 2.70 | _ | _ | Filysical Flailt | |
| miscentaneo as | -, | _,,, | | | Central Utility | _ |
| ub-Total 'B' | 17,145 | 8.10 | _ | | Central Othicy | |
| 10 10 Val 2 | 17,145 | 0.10 | | | Total NASF | 0.0% |
| | | | | | Total NASF | 373 /3 |
| Furniture | _ | _ | _ | | Non-Assignable | |
| Equipment | 5,000 | 2.40 | | - | Custodial | |
| to 4 substitutes | 0,000 | 2.40 | | | Circulation | |
| ub-Total 'C' | 5,000 | 2.40 | _ | _ | Mechanical | |
| | 3,000 | 2.40 | | | Rest Room | |
| | | | | | Rest Room | |
| otal Project Cost | 212,625 | 100.00 | _ | _ | Unassignable | |
| | | | | | | |

PROJECT NAME:

PROJECT NUMBER: WA076 BUILDING TYPE: SCIENCE

PROJECT TYPE: UACP CODE:

ALTERATION 7-1 SUBMISSION DATE: 03/71

CHEMISTRY BUILDING ALTERATIONS

USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 03/71

10,109

CONSTRUCTION TIME: MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | • | Research | |
| .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | • • | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | 25,241 | 27.20 | | 2.50 | Special Use | |
| Architectural | 37,862 | 40.80 | | 3.75 | Audio Visual | |
| uilding Cost | 63,103 | 68.00 | _ | 6.24 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | 4.40 | General Use | _ |
| lechanical | 14,162 | 15.30 | _ | 1.40 | Assembly | |
| | | | | 40 | Exhibition | _ |
| Electrical | 4,873 | 5.30 | | .48 | Food | _ |
| Fed. Sales Tax Rebate | | _ | | | Recreation | |
| | 82,138 | 88.50 | | 8.13 | Supporting | |
| ub-Total 'A' | 62,136 | 86.50 | | 0120 | Data Processing | - |
| | | | | | Shops | |
| grag | 8,214 | 8.80 | _ | .81 | Physical Plant | |
| Fees | 2,464 | 2.70 | | .24 | · · | |
| Miscellaneous | 2,404 | 2.70 | | | Central Utility | _ |
| 3 m - 4 - 1 (70) | 10,678 | 11.50 | _ | 1.06 | | |
| ub-Total 'B' | 10,070 | 22100 | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| * * | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 92,816 | 100.00 | _ | 9.18 | Unassignable | |
| otal Project Cost | 22,010 | 100,00 | | 0.10 | | |

PROJECT NAME:

PROJECT NUMBER: WA048 BUILDING TYPE:

SCIENCE

PROJECT TYPE:

ALTERATION

UACP CODE: SUBMISSION DATE: 10/70

7-1

MATH & COMP BLDG ALTERATION 1968

USE CATEGORY TYPE:

NASF:

GSF: NASF/GSF:

TENDER/ESTIMATE DATE: 03/68

CONSTRUCTION TIME:

04/68 - 08/69

65,380

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|-------------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 19.6 |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | 24.8 |
| | | | | | Laboratory | 2.1 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 17.9 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | 35.6 |
| Interior Finishes Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | i ny sicai Education | - |
| Built-in Equipment | 21,730 | 2.60 | _ | .33 | Special Use | |
| Architectural | 245,797 | 29.30 | | 3.76 | Audio Visual | _ |
| uilding Cost | 267,527 | 31.90 | _ | 4.09 | Clinic | |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| lechanical | 196,711 | 23.40 | **** | 3.01 | Assembly | |
| 71 | 140 800 | 18 10 | | 2 00 | Exhibition | _ |
| Electrical | 143,738 24,319 | 17.10 2.90 | | 2.20 .37 | Food Recreation | _ |
| Fed. Sales Tax Rebate | 24,319 | 2.90 | | .51 | Recreation | disabil |
| ub-Total 'A' | 583,657 | 69.60 | _ | 8.93 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | - |
| Fees | 35,019 | 4.20 | _ | .54 | Physical Plant | _ |
| Miscellaneous | 17,509 | 2.10 | _ | .27 | | |
| | 50 500 | 0.00 | _ | .80 | Central Utility | |
| ub-Total 'B' | 52,528 | 6.30 | _ | .80 | m-4-1 NIACE | 100.0% |
| | | | | | Total NASF | 100.0% |
| Furniture | 155,900 | 18.60 | _ | 2.38 | Non-Assignable | |
| Equipment | 46,900 | 5.60 | _ | .72 | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 202,800 | 24.20 | _ | 3.10 | Mechanical | |
| | | | | | Rest Room | |
| least President Cont | 929 005 | 100.00 | | 12.83 | Unassignable | |
| Total Project Cost | 838,985 | 100.00 | | 12.63 | Unassignable | |

Sciences Buildings Renovations

5,281

PROJECT COST/SPACE RECORD

PROJECT NAME:

BROCK TOWER RENOVATIONS 1968-69

PROJECT NUMBER: BR022 BUILDING TYPE:

SCIENCE

USE CATEGORY TYPE: RENOVATION

PROJECT TYPE: UACP CODE: SUBMISSION DATE: 11/70

7-2

NASF:

GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 09/68

11/68 - 05/69 CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Consider Downson | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | |
| Site Development | | | | | Laboratory | |
| | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure Horizontal Elements | | | | | Wet Hab | |
| Exterior Cladding | | | | | Office | _ |
| Int, Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 30,263 | 58.90 | | 5.73 | Audio Visual | - |
| Building Cost | 30,263 | 58.90 | _ | 5.73 | Clinic | - |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | _ |
| Mechanical Property of the Company o | 14,900 | 29.00 | _ | 2.82 | Assembly Exhibition | _ |
| | | 44 50 | | 1 1 4 | Food | _ |
| Electrical | 6,005 | 11.70 | _ | 1.14 | Recreation | _ |
| Fed. Sales Tax Rebate | | | _ | | 100000000 | |
| Sub-Total 'A' | 51,168 | 99.50 | _ | 9.69 | Supporting | |
| | , | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 246 | .50 | _ | .05 | Physical Plant | _ |
| Miscellaneous | _ | _ | _ | _ | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 246 | .50 | | .05 | m . 1374.073 | 0.0% |
| | | | | | Total NASF | 0.070 |
| F | | | | | Non-Assignable | |
| Furniture | | | | | Custodial | |
| Equipment | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| Jub-10tal C | | | | | Rest Room | |
| | | | | | | |
| Total Project Cost | 51,414 | 100.00 | _ | 9.74 | Unassignable | |
| | | | | | | |

PROJECT NAME:

TORY BUILDING RENOVATIONS

PROJECT NUMBER: CA014

SCIENCE BUILDING TYPE:

PROJECT TYPE: UACP CODE:

RENOVATION

7-2 SUBMISSION DATE: 11/68 USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 11/65

12/65 - 10/66CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop, (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 83,353 | 17.90 | _ | | Physical Education | |
| Cash Allowance | 1,005 | .20 | _ | _ | | |
| Built-in Equipment | 32,708 | 7.00 | _ | _ | Special Use | |
| Architectural | 106,486 | 22,90 | _ | _ | Audio Visual | |
| Building Cost | 223,552 | 48.10 | _ | | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 136,394 | 29.30 | _ | _ | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 50,998 | 11.00 | _ | _ | Food | |
| Fed. Sales Tax Rebate | | _ | _ | _ | Recreation | _ |
| | | | | | recreation | |
| Sub-Total 'A' | 410,944 | 88.40 | | | Supporting | |
| | · | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 26,924 | 5.80 | - | _ | Physical Plant | _ |
| Miscellaneous | 3,832 | .80 | _ | | i ily sicai i iairi | |
| Wilderia Cods | -, | | | | Central Utility | _ |
| Sub-Total 'B' | 30,756 | 6.60 | | | Central Centry | |
| 340 1004 2 | 00,.00 | 0.00 | | | Total NASF | 0.0% |
| | | | | | 1000111101 | |
| Furniture | 11,334 | 2.40 | _ | <u> </u> | Non-Assignable | |
| Equipment | 11,987 | 2.60 | _ | | Custodial | |
| 24 arpment | 11,001 | =,00 | | | Circulation | |
| Sub-Total 'C' | 23,321 | 5.00 | | | Mechanical | |
| Jud I Otal C | 20,021 | 0.00 | | | Rest Room | |
| | | | | | Rest Room | |
| Total Project Cost | 465,021 | 100.00 | _ | _ | Unassignable | |
| i otal i roject Cost | 400,021 | 100.00 | _ | _ | Unassignable | |

9,000

PROJECT COST/SPACE RECORD

PROJECT NAME:

PHYSICAL SCIENCES BUILDING—REN

PROJECT NUMBER: MC045 BUILDING TYPE:

SCIENCE

RENOVATION PROJECT TYPE: 7 - 2

UACP CODE: SUBMISSION DATE: 03/70

USE CATEGORY TYPE:

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 03/68

04/68 - 09/68CONSTRUCTION TIME: NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | | | _ | — 4 E | | |
| Alter'ns & Renova'ns | 4,035 | 2.90 | | .45 .45 | Special Purpose Research | |
| Site Development | 4,035 | 2.90 | | .45 | Laboratory | _ |
| To divert 9. Cond. From | | | | | Dry Lab | |
| Indirect & Gen'l Exp Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | - " | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | Physical Education | |
| Building Equipment | | | | | I flysical Education | |
| Cash Allowance Built-in Equipment | 97,094 | 70.70 | _ | 10.79 | Special Use | |
| Architectural | 20,945 | 15.30 | _ | 2.33 | Audio Visual | _ |
| Building Cost | 118,039 | 86.00 | _ | 13.12 | Clinic | |
| | | | | | Demonstration | district |
| Plumbing & Drains | | | | | C | |
| Heat. Vent. & Cond. | 3,556 | 2.60 | _ | .40 | General Use Assembly | _ |
| Mechanical | 3,000 | 2.00 | | , 10 | Exhibition | |
| Electrical | 364 | .30 | _ | .04 | Food | |
| Fed. Sales Tax Rebate | | _ | _ | <u>~_</u> | Recreation | _ |
| red. Sales Tax Itebate | | | | | | |
| Sub-Total 'A' | 125,994 | 91.70 | _ | 14.00 | Supporting | |
| | | | | | Data Processing | _ |
| | | 2.60 | _ | .40 | Shops Physical Plant | where |
| Fees | 3,605 | 5.60 | | .86 | rnysicai i iani | |
| Miscellaneous | 7,735 | 5.00 | | .00 | Central Utility | _ |
| Sub-Total 'B' | 11,340 | 8.30 | | 1.26 | | |
| Sub-10tal B | 22,020 | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation Mechanical | |
| Sub-Total 'C' | | | | | Rest Room | |
| | | | | | 200,00 | |
| Total Project Cost | 137,334 | 100.00 | _ | 15.26 | Unassignable | |
| I Otal I Toject Cost | 20,,001 | | | | | |

PROJECT NAME:

MILLER HALL — RENOVATIONS

PROJECT NUMBER: QU081

BUILDING TYPE: SCIENCE PROJECT TYPE: RENOVATION

7-1

UACP CODE: SUBMISSION DATE: 07/70 USE CATEGORY TYPE:

NASF: GSF:

35,770

NASF/GSF:

53,220 .67

TENDER/ESTIMATE DATE: 06/69

CONSTRUCTION TIME: MARKET CONDITION:

10/71 - 12/72NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-----------------------|----------------------|
| Site Develop. (Excl.) | _ | _ | - | _ | Classroom | 16.7 |
| Site Develop. (Incl.) | _ | _ | _ | _ | | |
| Alter'ns & Renova'ns | 120,600 | 88,10 | 2.27 | 3.37 | Special Purpose | |
| Site Development | 120,600 | 88.10 | 2.27 | 3.37 | Research | 13.7 |
| | | | | | Laboratory | 51.8 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 9.7 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | | | | | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly | _ |
| | | | | | Exhibition | 5.1 |
| Electrical | | | | | Food | 3.0 |
| Fed. Sales Tax Rebate | | | | | Recreation | _ |
| | | | | | 1001040101 | |
| Sub-Total 'A' | 120,600 | 88.10 | 2.27 | 3.37 | Supporting | |
| | 220,000 | 00.20 | | 0.0. | Data Processing | adom |
| | | | | | Shops | _ |
| Fees | 1,100 | .80 | .02 | .03 | Physical Plant | _ |
| Miscellaneous | 3,618 | 2.60 | .07 | .10 | a any one out a touth | |
| | 0,010 | 00 | | | Central Utility | - |
| Sub-Total 'B' | 4,718 | 3.40 | .09 | .13 | Constan County | |
| | 2,710 | 0.20 | .00 | .10 | Total NASF | 100.0% |
| | | | | | TOM MADE | |
| Furniture | 11,600 | 8.50 | .22 | .32 | Non-Assignable | |
| Equipment | | | a did did | | Custodial | |
| we of sarketteess | | | | | Circulation | |
| Sub-Total 'C' | 11,600 | 8.50 | .22 | .32 | Mechanical | |
| | 11,000 | 0.00 | .44 | .02 | Rest Room | |
| | | | | | Rest Room | |
| Fotal Project Cost | 136,918 | 100.00 | 2.57 | 3.83 | Unassignable | |
| Ovar 1 10,000 COSt | 190/919 | 100.00 | 2.01 | 0.00 | Unassignable | |

PROJECT NAME:

MINING BUILDING RENOVATIONS

PROJECT NUMBER: TO046
BUILDING TYPE: SCIENCE

0046 US

SCIENCE RENOVATION

PROJECT TYPE: RENO UACP CODE: 7-1 SUBMISSION DATE: 04/68

USE CATEGORY TYPE:

NASF: GSF: 12,500 14,550 .86

NASF/GSF:

TENDER/ESTIMATE DATE: 03/68

CONSTRUCTION TIME: MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------------------|----------------|--------------------|------------------|-------------------|-----------------------------|--|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Consider Design | |
| Alter'ns & Renova'ns | | | | | Special Purpose Research | _ |
| ite Development | | | | | Laboratory | and an analysis of the same of |
| 7 11 | | | | | Dry Lab | |
| Indirect & Gen'l Exp | | | | | Wet Lab | |
| Substructure Horizontal Elements | | | | | Wet Hab | |
| Exterior Cladding | | | | | Office | overn. |
| Int, Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | • | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | |
| uilding Cost | | | | | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Iechanical | | | | | Assembly | |
| | | | | | Exhibition Food | |
| Electrical | | | | 46 | Recreation | _ |
| Fed. Sales Tax Rebate | | | | | Recreation | |
| ub-Total 'A' | 183,313 | 71.50 | 12.60 | 14.67 | Supporting | |
| ub-10tal A | 100,010 | 12.00 | | | Data Processing | |
| | | | | | Shops | |
| Fees | 10,999 | 4.30 | .76 | .88 | Physical Plant | |
| Miscellaneous | | _ | _ | | | |
| 11110011111110011 | | | | | Central Utility | |
| ub-Total 'B' | 10,999 | 4.30 | .76 | .88 | | 0.00 |
| | | | | | Total NASF | 0.0% |
| | | | 4.00 | 4.00 | | |
| Furniture | 62,024 | 24.20 | 4.26 | 4.96 | Non-Assignable Custodial | |
| Equipment | | | | | Circulation | |
| | 69.094 | 24.20 | 4.26 | 4.96 | Mechanical | |
| Sub-Total 'C' | 62,024 | 24.20 | 4.20 | 2.00 | Rest Room | |
| | | | | | itest iteom | |
| Potal Project Cost | 256,336 | 100.00 | 17.62 | 20.51 | Unassignable | |
| Total Project Cost | 200,330 | 100.00 | 2.102 | 20102 | | |

PROJECT NAME:

SANDFORD FLEMING LABORATORY REN

PROJECT NUMBER: TO047 BUILDING TYPE:

SCIENCE

USE CATEGORY TYPE:

NASF: GSF: NASF/GSF: 11,311 19,302

PROJECT TYPE:

RENOVATION

TENDER/ESTIMATE DATE: 02/67 CONSTRUCTION TIME:

.59

UACP CODE: SUBMISSION DATE: 04/68

04/67 - 03/68

MARKET CONDITION: BUSY

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | | | | | Research | |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | - |
| Cash Allowance | 3,000 | .60 | .16 | .27 | | |
| Built-in Equipment | _ | _ | _ | _ | Special Use | |
| Architectural | 276,610 | 53.20 | 14.33 | 24.45 | Audio Visual | |
| Building Cost | 279,610 | 53.70 | 14.49 | 24.72 | Clinic | - |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 77,330 | 14.90 | 4.01 | 6.84 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 92,834 | 17.80 | 4.81 | 8.21 | Food | _ |
| Fed. Sales Tax Rebate | _ | | _ | | Recreation | _ |
| Sub-Total 'A' | 449,774 | 86.50 | 23.30 | 39.76 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 28,559 | 5.50 | 1.48 | 2.52 | Physical Plant | _ |
| Miscellaneous | _ | _ | _ | _ | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 28,559 | 5.50 | 1.48 | 2.52 | | |
| | | | | | Total NASF | 0.0% |
| E | 41,929 | 8.10 | 2.17 | 3.71 | Non-Assignable | |
| Furniture | 41,323 | | | - | Custodial | |
| Equipment | | | | | Circulation | |
| 2 1 02 1 101 | 41,929 | 8.10 | 2.17 | 3.71 | Mechanical | |
| Sub-Total 'C' | 41,929 | 8.10 | 4.11 | 3.71 | Rest Room | |
| | | | | | Rest Room | |
| Total Project Cost | 520,262 | 100.00 | 26.95 | 46.00 | Unassignable | |
| | | | | | | |

PROJECT NAME:

OLD PRESS BUILDING RENOVATIONS

PROJECT NUMBER: TO050 BUILDING TYPE:

SCIENCE

PROJECT TYPE: RENOVATION 7-2

UACP CODE: SUBMISSION DATE: 04/68

USE CATEGORY TYPE:

NASF: GSF:

9,167 12,903

NASF/GSF:

.71

TENDER/ESTIMATE DATE: 08/66

CONSTRUCTION TIME: 08/66 -03/68

| MARKET | CONDITION: | BUSY |
|--------|------------|------|
|--------|------------|------|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------------|-------------------------|
| Site Develop. (Excl.) | | | , | | Classroom | _ |
| Site Develop. (Incl.) Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure Horizontal Elements | | | | | wet Lab | |
| Exterior Cladding | | | | | Office | _ |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual Clinic | |
| uilding Cost | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | | | | | Assembly | _ |
| m | | | | | Exhibition Food | |
| Electrical Fed. Sales Tax Rebate | | | | 4ps | Recreation | _ |
| red. Sales Tax Itebate | | | | | | |
| ub-Total 'A' | 89,468 | 88.10 | 6.93 | 9.76 | Supporting | |
| | | | | | Data Processing | |
| Fees | | | | | Shops Physical Plant | |
| Miscellaneous | | | | | I II y SICOL I AUIIV | |
| miscellane ous | | | | | Central Utility | _ |
| ub-Total 'B' | | | | | Total NASF | 0.0% |
| | | | | | | |
| Furniture | 12,043 | 11.90 | .93 | 1.31 | Non-Assignable | |
| Equipment | _ | _ | _ | _ | Custodial Circulation | |
| ub-Total 'C' | 12,043 | 11.90 | .93 | 1.31 | Mechanical | |
| ub-10tal C | 25,010 | 22700 | | | Rest Room | |
| Catal Project Cost | 101,511 | 100.00 | 7.87 | 11.07 | Unassignable | |
| otal Project Cost | 101,511 | 100.00 | 7,01 | 11.01 | Omasignation | |

Sciences Buildings Completion

PROJECT NAME:

PHYS SCI 1-ADDITIONAL OFFICE SPACE

PROJECT NUMBER: GU032

USE CATEGORY TYPE:

NASF: GSF:

4,680

BUILDING TYPE:

SCIENCE

NASF/GSF:

5,180 .90

PROJECT TYPE:

COMPLETION

TENDER/ESTIMATE DATE: 06/67 CONSTRUCTION TIME:

UACP CODE: SUBMISSION DATE: 11/68

MARKET CONDITION:

07/67 - 08/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop, (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 055: | _ |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | _ |
| Building Equipment | | | | | I mysical Education | |
| Cash Allowance | | | | | Special Use | |
| Built-in Equipment | 117,792 | 42.90 | 22.74 | 25.17 | Audio Visual | _ |
| Architectural | 117,792 | 42.90 | 22.74 | 25.17 | Clinic | |
| Building Cost | 111,132 | 12.00 | | | Demonstration | |
| Plumbing & Drains | | | | | 20111011011411011 | |
| Heat, Vent, & Cond. | | | | | General Use | |
| Heat, Vent, & Cond. | 74,812 | 27.30 | 14.44 | 15.99 | Assembly | _ |
| Techanical | , 1,012 | | | | Exhibition | _ |
| Electrical | 26,112 | 9.50 | 5.04 | 5.58 | Food | _ |
| Fed. Sales Tax Rebate | 8,748 | 3.20 | 1.69 | 1.87 | Recreation | _ |
| red. Sales Tax Redate | -, | | | | | |
| ub-Total 'A' | 209,968 | 76.50 | 40.53 | 44.86 | Supporting | |
| ub-10tal A | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 18,480 | 6.70 | 3.57 | 3.95 | Physical Plant | _ |
| Miscellaneous | 6,352 | 2.30 | 1.23 | 1.36 | | |
| Miscellancoad | | | | | Central Utility | _ |
| Sub-Total 'B' | 24,832 | 9.00 | 4.79 | 5.31 | | 0.05 |
| | | | | | Total NASF | 0.0% |
| | | | | 0.10 | | |
| Furniture | 39,700 | 14.50 | 7.66 | 8.48 | Non-Assignable | |
| Equipment | - | - | _ | _ | Custodial | |
| | | | | 0.40 | Circulation | |
| Sub-Total 'C' | 39,700 | 14.50 | 7.66 | 8.48 | Mechanical | |
| | | | | | Rest Room | |
| | 0.00 | 100.00 | FR.00 | E0 CE | Unassignable | |
| Total Project Cost | 274,500 | 100.00 | 52.99 | 58.65 | Uliassignable | |

PROJECT NAME: PROJECT NUMBER: WA039

COMPLETION 6TH FLOOR 67 MATH

SCIENCE

BUILDING TYPE: PROJECT TYPE:

COMPLETION

UACP CODE: SUBMISSION DATE: 06/68

7-1

USE CATEGORY TYPE:

NASF: GSF:

14,430 24,050 .60

NASF/GSF:

TENDER/ESTIMATE DATE: 10/67

CONSTRUCTION TIME: 01/68 - 04/68

MARKET CONDITION:

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 1.1 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | 3.9 |
| | | | | | Laboratory | 11.3 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 77.1 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment | 104 540 | 40.70 | 0.05 | 11 40 | Special Use | |
| Architectural | 164,749 | 43.70 | 6.85 | 11.42 | Audio Visual | |
| Building Cost | 164,749 | 43.70 | 6.85 | 11.42 | Clinic | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent. & Cond. | | | | | | |
| Heat, Vent. & Cong. Iechanical | 87,710 | 23.20 | 0.05 | 0.00 | General Use | _ |
| rechanicar | 87,710 | 23.20 | 3.65 | 6.08 | Assembly | |
| Electrical | 81,474 | 21.60 | 3.39 | 5.65 | Exhibition | |
| Fed. Sales Tax Rebate | 13,357 | 3.50 | .56 | .93 | Food | _ |
| red. Sales Tax Repate | 13,301 | 3.00 | .56 | •90 | Recreation | |
| ub-Total 'A' | 320,576 | 85,00 | 13.33 | 22.22 | Supporting | |
| | , | | | | Data Processing | - |
| | | | | | Shops | |
| Fees | 20,036 | 5.30 | .83 | 1.39 | Physical Plant | 6.3 |
| Miscellaneous | 10,018 | 2.70 | .42 | .69 | * 207 03000 x 20022 | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 30,054 | 8.00 | 1.25 | 2.08 | | |
| | | | | | Total NASF | 99.7% |
| | | | | | | |
| Furniture | 26,715 | 7.10 | 1.11 | 1.85 | Non-Assignable | |
| Equipment | _ | | | | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 26,715 | 7.10 | 1.11 | 1.85 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 377,345 | 100.00 | 15.69 | 26.15 | Unassignable | |
| | 0.11,0.10 | 100.00 | 10.00 | 20.10 | Onassignable | |



WE 7 / Talbot College - 1965

Murphy, Schuller, Green & Martin, Architects

Staging Buildings

ACADEMIC STAGING BUILDING 1970 PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

BR026 STAGING NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 05/71

USE CATEGORY TYPE: OFFICE

300 220 810

22/SEP/71

NASF: GSF: NASF/GSF:

240,636 .60 04/71

144,383

TENDER/ESTIMATE DATE: 05/71 - 08/72CONSTRUCTION TIME: MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | | _ | Classroom | 8.1 |
| Site Develop. (Incl.) | 22,375 | .30 | .09 | .15 | | |
| Alter'ns & Renova'ns | | | | _ | Special Purpose | |
| ite Development | 22,375 | .30 | .09 | .15 | Research | 4.2 |
| | | | | | Ļaboratory | 25.9 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 34.0 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | 188,832 | 2.30 | .78 | 1.31 | Physical Education | |
| Cash Allowance | 229,000 | 2.80 | .95 | 1.59 | | |
| Built-in Equipment | 665,000 | 8.20 | 2.76 | 4.61 | Special Use | |
| Architectural | 3,744,393 | 46.20 | 15.56 | 25.93 | Audio Visual | - |
| uilding Cost | 4,827,225 | 59.60 | 20.06 | 33.43 | Clinic | |
| Di Line & Don't | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 1 210 250 | 10.00 | E 45 | 0.00 | | 0.6 |
| [echanical | 1,310,850 | 16.20 | 5.45 | 9.08 | Assembly | 0.6 |
| File states 1 | 985,000 | 12.20 | 4.09 | 6.82 | Exhibition Food | 8.2 |
| Electrical Fed. Sales Tax Rebate | 213,692 | 2.60 | .89 | 1.48 | Recreation | 8.2 |
| red. Sales Tax Rebate | 213,032 | 2.00 | .05 | 1.40 | Recreation | 6.2 |
| ub-Total 'A' | 6,931,758 | 85.60 | 28.81 | 48.01 | Supporting | |
| | · · | | | | Data Processing | 5.0 |
| | | | | | Shops | 5.6 |
| Fees | 521,832 | 6.40 | 2.17 | 3.61 | Physical Plant | _ |
| Miscellaneous | 136,255 | 1.70 | .57 | .94 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 658,087 | 8.10 | 2.73 | 4.56 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 362,814 | 4.50 | 1.51 | 2.51 | Non-Assignable | |
| Equipment | 145,000 | 1.80 | .60 | 1.00 | Custodial | |
| Edathittent | 1 10,000 | 2.00 | | | Circulation | |
| ub-Total 'C' | 507,814 | 6.30 | 2.11 | 3.52 | Mechanical | |
| ao Iour O | 001,022 | 0.00 | | | Rest Room | |
| Add Product of Class | 8,097,659 | 100.00 | 33.65 | 56.08 | Thereignehle | |
| Total Project Cost | 6,097,609 | 100.00 | 00.00 | 50.00 | Unassignable | |

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UACP CODE:

LH039 STAGING NEW BUILDING

7-1 07/71 SUBMISSION DATE:

TEMPORARY ACCOMMODATION

USE CATEGORY TYPE: CLASSROOM LABORATORY

100 220

22/SEP/71

NASF: GSF: NASF/GSF:

TENDER/ESTIMATE DATE: 06/71

CONSTRUCTION TIME:

07/71 - 09/71

4,200

5,250

.80

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|----------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | 51.9 |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements Exterior Cladding | | | | | Office | 48.1 |
| Int. Vert. Elements | | | | | Office | #0.I |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Library | |
| Building Equipment | _ | | _ | | Physical Education | _ |
| Cash Allowance | 1,000 | 1.00 | .19 | .24 | i irysicai Baucation | |
| Built-in Equipment | | _ | | | Special Use | |
| Architectural | 58,059 | 56.50 | 11.06 | 13.82 | Audio Visual | _ |
| Building Cost | 59,059 | 57.50 | 11.25 | 14.06 | Clinic | |
| and the coor | 00,000 | 01100 | 22.20 | 2 2.00 | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat, Vent, & Cond. | | | | | General Use | |
| Mechanical | 19,476 | 18.90 | 3.71 | 4.64 | Assembly | _ |
| | | | | | Exhibition | _ |
| Electrical | 8,360 | 8.10 | 1.59 | 1.99 | Food | _ |
| Fed. Sales Tax Rebate | 2,600 | 2.50 | .50 | .62 | Recreation | |
| Sub-Total 'A' | 84,295 | 82.00 | 16.06 | 20.07 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 6,000 | 5.80 | 1.14 | 1.43 | Physical Plant | _ |
| Miscellaneous | 2,500 | 2.40 | .48 | .60 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 8,500 | 8.30 | 1.62 | 2.02 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 10,000 | 9.70 | 1.90 | 2.38 | Non-Assignable | |
| Equipment | annin | · · | _ | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 10,000 | 9.70 | 1.90 | 2.38 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 102,795 | 100.00 | 19.58 | 24.48 | Unassignable | |

PROJECT NAME:

INTERIM ADMINISTRATION 68

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

QU062

STAGING NEW BUILDING

7-1 09/68 USE CATEGORY TYPE:

OFFICE

300 830

22/SEP/71

NASF: GSF: 16,835 24,570

NASF/GSF:

.69

TENDER/ESTIMATE DATE: 06/68 CONSTRUCTION TIME: 07/68

06/68 07/68 — 11/68

MARKET CONDITION: SLACK

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 30,000 | 7.00 | 1.22 | 1.78 | Classroom | water |
| Site Develop. (Incl.) | _ | _ | amm- | _ | | |
| Alter'ns & Renova'ns | _ | | _ | _ | Special Purpose | |
| te Development | 30,000 | 7.00 | 1.22 | 1.78 | Research | |
| | | | | | Laboratory | - |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 66.4 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | - |
| Interior Finishes | | | | | | |
| Building Equipment | | | | | Physical Education | _ |
| Cash Allowance | 9,600 | 2.20 | .39 | .57 | | |
| Built-in Equipment | warm. | where | - | _ | Special Use | |
| Architectural | 224,187 | 52.20 | 9.12 | 13.32 | Audio Visual | _ |
| ailding Cost | 233,787 | 54.40 | 9.52 | 13.89 | Clinic | _ |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| echanical | 44,000 | 10.20 | 1.79 | 2.61 | Assembly | _ |
| | 11,000 | 10.20 | 2110 | 200 | Exhibition | |
| Electrical | 32,000 | 7.50 | 1.30 | 1.90 | Food | _ |
| Fed. Sales Tax Rebate | 13,591 | 3.20 | .55 | .81 | Recreation | _ |
| reg. Sales Tax Repate | 10,001 | 0.20 | .00 | .01 | 200000000 | |
| b-Total 'A' | 326,196 | 76.00 | 13.28 | 19.38 | Supporting | |
| io Iour II | 020,200 | , 0.00 | 20,20 | 20,00 | Data Processing | _ |
| | | | | | Shops | 33.6 |
| Fees | 22,000 | 5.10 | .90 | 1.31 | Physical Plant | |
| Miscellaneous | 19,213 | 4.50 | .78 | 1.14 | I II JOHN I INIIV | |
| Miscellaneous | 10,210 | 4.00 | ,,, | 212.2 | Central Utility | _ |
| b-Total 'B' | 41,213 | 9.60 | 1.68 | 2.45 | Central Culty | |
| b-Total B | 41,210 | 3.00 | 1.00 | 20.70 | Total NASF | 100.0 |
| | | | | | Total NASI | 100.0 |
| Furniture | 60,000 | 14.00 | 2.44 | 3.56 | Non-Assignable | |
| | 2,000 | .50 | .08 | .12 | Custodial | |
| Equipment | 2,000 | .00 | .00 | . J. & | Circulation | |
| 1. m-4-1 (C) | 62 000 | 14.40 | 2.52 | 3.68 | Mechanical | |
| b-Total 'C' | 62,000 | 14.40 | 2.52 | 3.00 | | |
| | | | | | Rest Room | |
| otal Project Cost | 429,409 | 100.00 | 17.48 | 25.51 | Unassignable | |
| rui i roject oost | 220,200 | 20.00 | | | | |

22/SEP/71

NASF:

PROJECT NAME:

STAGING BUILDING

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

TR018 STAGING NEW BUILDING USE CATEGORY TYPE: LABORATORY

220 210

GSF: NASF/GSF: TENDER/ESTIMATE DATE: 22,866 33,477 .68

7-2

01/71

CONSTRUCTION TIME:

03/67 04/67 - 12/67

MARKET CONDITION: BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--------------------------------------|----------------|--------------------|---|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | 24,600 | 1.50 | .73 | 1.08 | Classroom | 1.9 |
| Site Develop. (Incl.) | 21,357 | 1.30 | .64 | .93 | | |
| Alter'ns & Renova'ns | | _ | _ | _ | Special Purpose | 20.3 |
| te Development | 45,957 | 2.90 | 1.37 | 2.01 | Research | 58.3 |
| Indiana Carll Fam | | | | | Laboratory Dry Lab | 56.5 |
| Indirect & Gen'l Exp Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | 17.6 |
| Int. Vert. Elements | | | | | O.11100 | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 175,792 | 11.10 | 5.25 | 7.69 | Physical Education | _ |
| Cash Allowance | 7,261 | .50 | .22 | .32 | | |
| Built-in Equipment | - | | _ | _ | Special Use | |
| Architectural | 377,633 | 23.80 | 11.28 | 16.52 | Audio Visual | |
| uilding Cost | 560,686 | 35.30 | 16.75 | 24.52 | Clinic | _ |
| | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | Commentation | |
| Heat. Vent. & Cond. | 198,754 | 12.50 | 5.94 | 8.69 | General Use Assembly | _ |
| echanical | 198,754 | 12.50 | 0.54 | 0.00 | Exhibition | |
| Electrical | 74.539 | 4.70 | 2.23 | 3.26 | Food | 0.4 |
| Fed. Sales Tax Rebate | 25,660 | 1.60 | .77 | 1.12 | Recreation | _ |
| reg. Sales Tax Resale | 20,000 | 2.00 | • | | 100010000 | |
| ıb-Total 'A' | 854,276 | 53.80 | 25.52 | 37.36 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 16,060 | 1.00 | .48 | .70 | Physical Plant | 1.4 |
| Miscellaneous | 108,278 | 6.80 | 3.23 | 4.74 | | |
| | 404.000 | = 00 | 0.74 | | Central Utility | _ |
| ıb-Total 'B' | 124,338 | 7.80 | 3.71 | 5.44 | | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 31,522 | 2.00 | .94 | 1.38 | Non-Assignable | |
| Equipment | 578,954 | 36.40 | 17.29 | 25.32 | Custodial | |
| Edathillette | 010,003 | 00.20 | | | Circulation | |
| ub-Total 'C' | 610,476 | 38.40 | 18.24 | 26.70 | Mechanical | |
| W 10 VW 0 | | | | | Rest Room | |
| | | | | | | |
| otal Project Cost | 1,589,090 | 100.00 | 47.47 | 69.50 | Unassignable | |

29,308

40,600

.72

PROJECT COST/SPACE RECORD

PROJECT NAME:

STAGING COMPLEX PHASE 1 - 68

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

WE027

STAGING NEW BUILDING

11/69

USE CATEGORY TYPE:

LABORATORY

220 300 210

22/SEP/71

NASF: GSF:

NASF/GSF:

TENDER/ESTIMATE DATE: 09/68

08/68 - 12/68CONSTRUCTION TIME:

SLACK MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|------------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 35,000 12,000 | 4.10 1.40 | .86 .30 | 1.19 .41 | Classroom | 5.6 |
| Site Develop. (Incl.) | | | .50 | •27 | Special Purpose | |
| Alter'ns & Renova'ns | 47,000 | 5.40 | 1.16 | 1.60 | Research | 23.7 |
| ite Development | 47,000 | 5.40 | 1.10 | 1.00 | Laboratory | 41.4 |
| Indirect & Gen'l Exp Substructure | | | | | Dry Lab Wet Lab | |
| Horizontal Elements Exterior Cladding Int. Vert. Elements | | | | | Office | 29.3 |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | _ | | | | Physical Education | - |
| Cash Allowance | 6,590 | .80 | .16 | .22 | | |
| Built-in Equipment | _ | _ | _ | | Special Use | |
| Architectural | 295,481 | 34.20 | 7.28 | 10.08 | Audio Visual | _ |
| Building Cost | 302,071 | 35.00 | 7.44 | 10.31 | Clinic | _ |
| and the contract of the contra | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | | |
| Heat, Vent, & Cond. | | | | | General Use | |
| lechanical | 111,432 | 12.90 | 2.74 | 3.80 | Assembly | |
| | | | | | Exhibition | _ |
| Electrical | 75,837 | 8.80 | 1.87 | 2.59 | Food | |
| Fed. Sales Tax Rebate | 20,000 | 2.30 | .49 | .68 | Recreation | _ |
| ub-Total 'A' | 516,340 | 59.80 | 12.72 | 17.62 | Supporting | |
| ub-10tai A | 010,010 | 00.00 | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 12,000 | 1.40 | .30 | .41 | Physical Plant | - |
| Miscellaneous | 15,000 | 1.70 | .37 | .51 | | |
| Miscenalieous | 10,000 | 2.10 | | | Central Utility | _ |
| ub-Total 'B' | 27,000 | 3.10 | .67 | .92 | | |
| | , | | | | Total NASF | 100.0 |
| Furniture | 140.000 | 16.20 | 3.45 | 4.78 | Non-Assignable | |
| Equipment | 180,000 | 20.80 | 4.43 | 6.14 | Custodial | |
| and arbitrosso. | | | | | Circulation | |
| Sub-Total 'C' | 320,000 | 37.10 | 7.88 | 10.92 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 863,340 | 100.00 | 21.26 | 29.46 | Unassignable | |

PROJECT NAME:

TEMPORARY OFFICE BUILDING

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE: Y0046

STAGING NEW BUILDING

UACP CODE: 7
SUBMISSION DATE: 0

7-1 06/68 22/SEP/71

NASF: GSF: 25,593 35,724

.72

NASF/GSF: TENDER/ESTIMATE DATE: 11/67

CONSTRUCTION TIME:

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|----------------------|
| Site Develop. (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| ite Development | | | | | Research | _ |
| I - 3: 4 0 0 13 F | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 94.6 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | 900 | | | | | |
| Building Equipment | 300 | .10 | .01 | .01 | Physical Education | |
| Cash Allowance | 7,265 | 1.40 | .20 | .28 | | |
| Built-in Equipment | | | - | | Special Use | |
| Architectural | 361,309 | 67.90 | 10.11 | 14.12 | Audio Visual | |
| uilding Cost | 368,874 | 69.30 | 10.33 | 14.41 | Clinic | _ |
| D1 1: 0 D | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 440.000 | | | | General Use | |
| lechanical | 116,938 | 22.00 | 3.27 | 4.57 | Assembly | - |
| Di di i | 60.000 | 11.00 | | | Exhibition | |
| Electrical | 63,000 | 11.80 | 1.76 | 2.46 | Food | _ |
| Fed. Sales Tax Rebate | 17,790 | 3.30 | .50 | .70 | Recreation | 4.8 |
| ub-Total 'A' | 531,022 | 99.80 | 14.86 | 20.75 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | | | | | Physical Plant | |
| Miscellaneous | | | | | i ily sicai i lalit | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | | | | | Central Conity | |
| | | | | | Total NASF | 100.0 |
| Furniture | 1,188 | .20 | .03 | .05 | Non-Assignable | |
| Equipment | _ | | | _ | Custodial | |
| | | | , | | Circulation | |
| ub-Total 'C' | 1,188 | .20 | .03 | .05 | Mechanical | |
| | _, | | 100 | .00 | Rest Room | |
| and During Cont | F.00.04.0 | 400.00 | | | | |
| otal Project Cost | • 532,210 | 100.00 | 14.90 | 20.80 | Unassignable | |
| | | | | | | |

USE CATEGORY TYPE:

Student's Union Buildings

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

UNIVERSITY UNION-67

CA031

STUDENT'S UNION

NEW BUILDING 7-1 09/68 USE CATEGORY TYPE:

RECREATION

740

NASF: GSF: NASF/GSF: 57,878 103,179 .56 08/68

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

10/68 - 01/70 BUSY

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | name. | _ | _ | | Classroom | |
| Site Develop. (Incl.) | 233,000 | 5.20 | 2.26 | 4.03 | | |
| Alter'ns & Renova'ns | 170,000 | 3.80 | 1.65 | 2.94 | Special Purpose | |
| ite Development | * | 9.10 | 3.91 | 6.96 | Research | |
| ite Development | 403,000 | 9.10 | 3.91 | 0.90 | | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 18.7 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | 61,000 | 1.40 | .59 | 1.05 | Physical Education | |
| Cash Allowance | | | | | I nysicai Education | |
| | 208,000 | 4.70 | 2.02 | 3.59 | G | |
| Built-in Equipment | _ | | | | Special Use | |
| Architectural | 2,215,000 | 49.80 | 21.47 | 38.27 | . Audio Visual | - |
| Suilding Cost | 2,484,000 | 55.80 | 24.07 | 42.92 | Clinic | 4.6 |
| | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat, Vent. & Cond. | | | | | General Use | |
| lechanical | 670,000 | 15.10 | 6.49 | 11.58 | Assembly | 13.3 |
| 1001141111041 | 0,0,000 | 10.10 | 0.20 | 11.00 | Exhibition | _ |
| Electrical | 926 000 | 5.30 | 2.29 | 4.08 | | 18.7 |
| | 236,000 | | | | Food | 44.7 |
| Fed. Sales Tax Rebate | 144,920 | 3.30 | 1.40 | 2.50 | Recreation | 44.1 |
| ub-Total 'A' | 3,648,080 | 82.00 | 35.36 | 63.03 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 237,125 | 5.30 | 2.30 | 4.10 | Physical Plant | _ |
| | * | | | 1.89 | Physical Plant | |
| Miscellaneous | 109,442 | 2.50 | 1.06 | 1.89 | | |
| | | | | | Central Utility | _ |
| ub-Total 'B' | 346,567 | 7.80 | 3.36 | 5.99 | | |
| | | | | | Total NASF | 100.0 |
| Furniture | 308,866 | 6.90 | 2.99 | 5.34 | Non-Assignable | |
| | | | | | | |
| Equipment | 147,302 | 3.30 | 1.43 | 2.55 | Custodial | |
| | | 10.00 | | W 00 | Circulation | |
| Sub-Total 'C' | 456,168 | 10.20 | 4.42 | 7.88 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 4,450,815 | 100.00 | 43.14 | 76.90 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UNIVERSITY CENTRE 1968

OT041

UACP CODE: 5 SUBMISSION DATE:

USE CATEGORY TYPE: STUDENT'S UNION RECREATION NEW BUILDING

740 730

05/71

22/SEP/71

NASF: GSF: NASF/GSF: 109,100 172,000 .63

TENDER/ESTIMATE DATE: CONSTRUCTION TIME:

05/71 09/71 - 05/73

MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|--|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 164,000 | 2,80 | .95 | 1.50 | Classroom | |
| Site Develop. (Incl.) | 231,500 | 3.90 | 1.35 | 2.12 | | |
| Alter'ns & Renova'ns | 23,500 | .40 | .14 | .22 | Special Purpose | |
| Site Development | 419,000 | 7.10 | 2.44 | 3.84 | Research | |
| | , | | | | Laboratory | |
| Indirect & Gen'l Exp | 480,000 | 8.10 | 2.79 | 4.40 | Dry Lab | |
| Substructure | 294,000 | 5.00 | 1.71 | 2.69 | Wet Lab | |
| Horizontal Elements | 622,000 | 10.50 | 3.62 | 5.70 | Wet Bab | |
| Exterior Cladding | 670,000 | 11.30 | 3.90 | 6.14 | Office | 15.2 |
| Int. Vert. Elements | 313,000 | 5.30 | 1.82 | 2.87 | Office | |
| Multi-Storey Elements | 238,000 | 4.00 | 1.38 | 2.18 | Library | |
| Interior Finishes | 399,500 | 6.70 | 2.32 | 3.66 | Library | |
| Building Equipment | 425,000 | 7.20 | 2.47 | 3.90 | Physical Education | _ |
| Cash Allowance | 49,500 | .80 | .29 | .45 | Physical Education | |
| Built-in Equipment | 49,500 | .80 | .20 | | Special Use | |
| Architectural | | | | | | 0.1 |
| Building Cost | 2 401 000 | 58.80 | 20.30 | 32.00 | Audio Visual | 0.1 |
| sunding Cost | 3,491,000 | 98.80 | 20.30 | 32.00 | Clinic | |
| Plumbing & Drains | 405.000 | 2.00 | 4 10 | 1 50 | Demonstration | _ |
| —————————————————————————————————————— | 195,000 | 3.30 | 1.13 | 1.79 | | |
| Heat. Vent. & Cond. | 725,000 | 12.20 | 4.22 | 6.65 | General Use | 0.4 |
| Mechanical | 920,000 | 15.50 | 5.35 | 8.43 | Assembly | 6.4 |
| | | | | | Exhibition | _ |
| Electrical | 450,000 | 7.60 | 2.62 | 4.12 | Food | 32.5 |
| Fed. Sales Tax Rebate | 153,480 | 2.60 | .89 | 1.41 | Recreation | 45.7 |
| ub-Total 'A' | 5,126,520 | 86.40 | 29.81 | 46.99 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | _ |
| Fees | 398,100 | 6.70 | 2.31 | 3.65 | Physical Plant | _ |
| Miscellaneous | 97,800 | 1,60 | .57 | .90 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 495,900 | 8.40 | 2.88 | 4.55 | | |
| | · | | | | Total NASF | 100.0 |
| Furniture | 235,000 | 4.00 | 1.37 | 2.15 | Non-Assignable | |
| Equipment | 76,000 | 1.30 | .44 | .70 | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | 311,000 | 5.20 | 1.81 | 2.85 | Mechanical | |
| | 022,000 | 0.20 | | | Rest Room | |
| | | | | | Rest Room | |
| Cotal Project Cost | 5,933,420 | 100.00 | 34.50 | 54.39 | Unassignable | |

22/SEP/71

NASF:

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

SOCIAL CENTRE, WEST CAMPUS RES 1-70

QU090 STUDENT'S UNION USE CATEGORY TYPE:

RECREATION

740 730

GSF: NASF/GSF: TENDER/ESTIMATE DATE: 16,235 21,447 .76

NEW BUILDING PROJECT TYPE: 7 - 1UACP CODE: SUBMISSION DATE: 12/70

CONSTRUCTION TIME:

10/69 07/70 - 12/71

| ONSTRUCTION TAME | Life , |
|--------------------|--------|
| A D TERM CONDIMION | BUSY |
| TARKET CONDITION | 2000 |

| ARKET CONDITION: | BUSY |
|------------------|------|
|------------------|------|

| ARKET CONDITION: | 200 |
|------------------|-----------|
| | % OF TOTA |
| SE CATEGORY | NASF ARE |
| | |

| Site Develop (Final.) | ACTUAL % OF TOTAL ACTUAL ACTUAL COST COST \$/GSF \$/NASF USE CATEGORY | | NASF AREA | | | |
|------------------------------------|---|--------|-----------|-------|------------------------|--------------|
| Site Develop, (Excl.) | | | | | Classroom | _ |
| Site Develop. (Incl.) | | | | | Special Purpose | |
| Alter'ns & Renova'ns | | | | | Research | |
| Site Development | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | 4.0 |
| Exterior Cladding | | | | | Office | 4.3 |
| Int. Vert. Elements | | | | | ¥ 71 | guero. |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Physical Education | - |
| Building Equipment Cash Allowance | | | | | 1 II y Sicar Education | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | | | | | Audio Visual | _ |
| Building Cost | 814,680 | 89.30 | 37.99 | 50.18 | Clinic | - |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | | | | | Assembly Exhibition | -Milman |
| | | | | | Food | 60.3 |
| Electrical | 0.145 | .90 | .38 | .50 | Recreation | 32.9 |
| Fed. Sales Tax Rebate | 8,147 | .80 | .00 | .50 | it colours in | |
| Sub-Total 'A' | 806,533 | 88.40 | 37.61 | 49.68 | Supporting | |
| Sub-Total A | 000,000 | 00.10 | 0 | | Data Processing | _ |
| | | | | | Shops | 2.5 |
| Fees | | | | | Physical Plant | _ |
| Miscellaneous | | | | | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | | | | | Total NASF | 100.0 |
| | | | | | Total NASF | 100.0 |
| Furniture | 96,065 | 10.50 | 4.48 | 5.92 | Non-Assignable | |
| Furniture Equipment | 9,503 | 1.00 | .44 | .59 | Custodial | |
| Equipment | 0,000 | 2.00 | | | Circulation | |
| Sub-Total 'C' | 105,568 | 11.60 | 4.92 | 6.50 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 912,101 | 100.00 | 42.53 | 56.18 | Unassignable | |
| 10001110,000 | | | | | | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UACP CODE:

WA009

STUDENT'S UNION **NEW BUILDING**

7 - 1SUBMISSION DATE: 11/68

CAMPUS CENTRE BUILDING - 65

USE CATEGORY TYPE:

RECREATION

740

22/SEP/71

NASF: GSF:

31,869 61,772 .52

NASF/GSF: TENDER/ESTIMATE DATE:

09/66 10/66 - 07/68

CONSTRUCTION TIME:

| MARKET CONDITION: | BUSY |
|-------------------|------|
|-------------------|------|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | 17,540 | .90 | .28 | .55 | Classroom | _ |
| Site Develop. (Incl.) | 5,808 | .30 | .09 | .18 | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| Site Development | 23,348 | 1.20 | .38 | .73 | Research | |
| | | | | | Laboratory | 0.5 |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 14.0 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | 50000 | 0.00 | | 4.00 | | |
| Building Equipment | 52,963 | 2.60 | .86 | 1.66 | Physical Education | - |
| Cash Allowance | 18,750 | .90 | .30 | .59 | | |
| Built-in Equipment | - | | _ | | Special Use | |
| Architectural | 1,168,209 | 57.60 | 18.91 | 36.66 | Audio Visual | _ |
| Building Cost | 1,239,922 | 61.10 | 20.07 | 38.91 | Clinic | |
| The later of the state of | | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | 001 =01 | 40.00 | | 40.40 | General Use | |
| Iechanical | 324,784 | 16.00 | 5.26 | 10.19 | Assembly | _ |
| | 000.100 | | | m 40 | Exhibition | |
| Electrical | 206,486 | 10.20 | 3.34 | 6.48 | Food | 17.0 |
| Fed. Sales Tax Rebate | 70,848 | 3.50 | 1.15 | 2.22 | Recreation | 66.3 |
| ub-Total 'A' | 1.723.692 | 85.00 | 27.90 | 54.09 | Supporting | |
| ub-10tal A | 1,120,002 | 65.00 | 21.50 | 04.00 | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 106,620 | 5.30 | 1.73 | 3.35 | Physical Plant | 2.1 |
| Miscellaneous | 53,310 | 2.60 | .86 | 1.67 | Filysical Flaint | |
| Miscellancous | 00,010 | 2.00 | .00 | 2.01 | Central Utility | |
| ub-Total 'B' | 159,930 | 7.90 | 2.59 | 5.02 | Central Culity | |
| | 200,002 | | | 0.02 | Total NASF | 100.0 |
| | | | | | 10041117151 | 100.0 |
| Furniture | 145,000 | 7.10 | 2.35 | 4.55 | Non-Assignable | |
| Equipment | - | - | _ | _ | Custodial | |
| - derbittette | | | | | Circulation | |
| Sub-Total 'C' | 145,000 | 7.10 | 2.35 | 4.55 | Mechanical | |
| 10001 | 140,000 | 1.20 | 2.00 | 2.00 | Rest Room | |
| | | | | | itest troom | |
| Cotal Project Cost | 2,028,622 | 100.00 | 32.84 | 63.66 | Unassignable | |
| | | | | | 01100181111010 | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER:

SUBMISSION DATE:

UNIVERSITY COMMUNITY CENTRE 1970

WE038

USE CATEGORY TYPE:

BUILDING TYPE: PROJECT TYPE: UACP CODE:

STUDENT'S UNION

NEW BUILDING

7-1 12/70

740 730

RECREATION

NASF: GSF: NASF/GSF: 36,750 53,755 .68

TENDER/ESTIMATE DATE:

09/70

CONSTRUCTION TIME: MARKET CONDITION:

10/70 - 08/72NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | _ | _ | | _ | Classroom | _ |
| Site Develop. (Incl.) | 60,000 | 2.80 | 1.12 | 1.63 | | |
| Alter'ns & Renova'ns | | _ | | _ | Special Purpose | |
| Site Development | 60,000 | 2.80 | 1.12 | 1.63 | Research | _ |
| Site Development | 00,000 | 2.00 | | 2100 | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 15.5 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | | |
| Building Equipment | _ | | _ | - | Physical Education | |
| Cash Allowance | 13,700 | .60 | .25 | .37 | 11,01001 2000000000000000000000000000000 | |
| | 13,700 | | | 01 | Special Use | |
| Built-in Equipment | 1.173.139 | 54.40 | 21.82 | 31.92 | Audio Visual | _ |
| Architectural | 1,186,839 | 55.00 | 22.08 | 32.29 | Clinic | 3.5 |
| Building Cost | 1,180,089 | 55.00 | 22.00 | 34.23 | Demonstration | - |
| Di l'an a During | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | 250 000 | 16.20 | 6.51 | 9.52 | Assembly | 0.1 |
| Mechanical | 350,000 | 16.20 | 16.0 | 9.54 | Exhibition | |
| | 100 000 | 0.00 | 0.50 | E 17 | Food | 27.0 |
| Electrical | 190,000 | 8.80 | 3.53 | 5.17 | Recreation | 53.7 |
| Fed. Sales Tax Rebate | 53,600 | 2.50 | 1.00 | 1.46 | Recreation | 55.1 |
| 0 1 70 4 3 4 6 2 | 1.733,239 | 80.40 | 32.24 | 47.16 | Supporting | |
| Sub-Total 'A' | 1,733,235 | 80.40 | 04.44 | 41.10 | Data Processing | <u>-</u> - |
| | | | | | Shops | _ |
| | 125 109 | 6.30 | 2.51 | 3.68 | Physical Plant | _ |
| Fees | 135,192 | | | 1.04 | i iiy sicai i iam | |
| Miscellaneous | 38,132 | 1.80 | .71 | 1.04 | Central Utility | _ |
| | 170 004 | 9.00 | 2.00 | 4.72 | Central Othicy | |
| Sub-Total 'B' | 173,324 | 8.00 | 3.22 | 4.72 | Total NACE | 100.0 |
| | | | | | Total NASF | 100.0 |
| 7 | 206 727 | 9.60 | 3.85 | 5.63 | Non-Assignable | |
| Furniture | 206,737 | | | | Custodial | |
| Equipment | 43,700 | 2.00 | .81 | 1.19 | Circulation | |
| | 050 400 | 11.00 | | C 0.1 | | |
| Sub-Total 'C' | 250,437 | 11.60 | 4.66 | 6.81 | Mechanical | |
| | | | | | Rest Room | |
| | 9 157 000 | 100.00 | 40.13 | 58.69 | Unassignable | |
| Total Project Cost | 2,157,000 | 100.00 | 40.13 | 50.05 | Unassignable | |

PROJECT NAME:

PROJECT NUMBER: BUILDING TYPE:

WI027 STUDENT'S UNION NEW BUILDING

PROJECT TYPE: UACP CODE: SUBMISSION DATE:

11/68

STUDENT CENTRE 68

USE CATEGORY TYPE:

FOOD

730 740

22/SEP/71

NASF:

GSF: NASF/GSF: 33,838 56,211 .60

TENDER/ESTIMATE DATE: 03/68 CONSTRUCTION TIME:

03/68 - 07/69

MARKET CONDITION:

| NORMAL | | N | 0 | R | M | A | L | |
|--------|--|---|---|---|---|---|---|--|
|--------|--|---|---|---|---|---|---|--|

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|-------------------|--------------------|------------------|-------------------|---------------------------|-------------------------|
| Site Develop. (Excl.) | _ | | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 79,000 | 3.60 | 1.41 | 2.33 | | |
| Alter'ns & Renova'ns Gite Development | 79,000 | 3.60 | 1.41 | | Special Purpose | |
| orte Development | 75,000 | 3.00 | 1.41 | 2.33 | Research Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | 9.0 |
| Int. Vert. Elements Multi-Storey Elements | | | | | T 2h manna | |
| Interior Finishes | | | | | Library | |
| Building Equipment | 252,000 | 11.60 | 4.48 | 7.45 | Physical Education | |
| Cash Allowance | 76,250 | 3.50 | 1.36 | 2.25 | | |
| Built-in Equipment | | . | | - | Special Use | |
| Architectural Building Cost | 962,750 | 44.40 | 17.13 22.97 | 28.45 | Audio Visual | _ |
| Building Cost | 1,291,000 | 59.60 | 22.97 | 38.15 | Clinic Demonstration | _ |
| Plumbing & Drains | | | | | Demonstration | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 396,000 | 18.30 | 7.04 | 11.70 | Assembly | - |
| | 104000 | = 00 | | | Exhibition | . . |
| Electrical | 164,000 77,200 | 7.60 3.60 | 2.92 1.37 | 4.85 2.28 | Food | 61.4 |
| Fed. Sales Tax Rebate | 11,200 | 3.00 | 1.07 | 2.20 | Recreation | 29.5 |
| Sub-Total 'A' | 1,852,800 | 85.50 | 32.96 | 54.76 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | _ |
| Fees | 115,800 | 5.30 | 2.06 | 3.42 | Physical Plant | - |
| Miscellaneous | 57,900 | 2.70 | 1.03 | 1.71 | Central Utility | |
| Sub-Total 'B' | 173,700 | 8.00 | 3.09 | 5.13 | Central Othity | _ |
| | 110,100 | 0.00 | 0.00 | 0.10 | Total NASF | 100.0 |
| | | | | | | |
| Furniture | 140,000 | 6.50 | 2.49 | 4.14 | Non-Assignable | |
| Equipment | _ | MARIN | | | Custodial | |
| Sub-Total 'C' | 140,000 | 6.50 | 2.49 | 4.14 | Circulation Mechanical | |
| Jub-10tal C | 140,000 | 0.50 | 2.43 | 4.14 | Rest Room | |
| | | | | | 1000 100011 | |
| Total Project Cost | 2,166,500 | 100.00 | 38.54 | 64.03 | Unassignable | |



CA 25 / Administration Building - 1967

Murray & Murray, Architects & Town Planner

Utility Buildings

22/SEP/71

PROJECT NAME: PROJECT NUMBER:

UACP CODE:

CENTRAL UTILITIES - 65

BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

BR003 UTILITY NEW BUILDING

7-2

07/69

USE CATEGORY TYPE: CENTRAL UTILITY

900

NASF: GSF:

8,893 14,847 .60

NASF/GSF: TENDER/ESTIMATE DATE: 11/65

CONSTRUCTION TIME: MARKET CONDITION:

12/65 - 05/66BUSY

| | 2001 |
|----------|-----------|
| | |
| | % OF TOTA |
| CATEGORY | NASF AREA |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|--|-------------------------|
| Site Develop. (Excl.) | _ | | - | _ | Classroom | |
| Site Develop. (Incl.) | 12,263 | 2.10 | .83 | 1.38 | | |
| Alter'ns & Renova'ns | | _ | _ | _ | Special Purpose | |
| lite Development | 12,263 | 2.10 | .83 | 1.38 | Research Laboratory Dry Lab | |
| Indirect & Gen'l Exp Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding Int. Vert, Elements | | | | | Office | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | _ | | _ | _ | Physical Education | |
| Cash Allowance | 6,500 | 1.10 | .44 | .73 | | |
| Built-in Equipment | | _ | | - | Special Use | |
| Architectural | 446,068 | 75.50 | 30.04 | 50.16 | Audio Visual | |
| Building Cost | 452,568 | 76.60 | 30.48 | 50.89 | Clinic Demonstration | |
| Plumbing & Drains Heat, Vent, & Cond, | | | | | General Use | |
| Mechanical | 43,463 | 7.40 | 2.93 | 4.89 | Assembly Exhibition | |
| Electrical | 42,214 | 7.10 | 2.84 | 4.75 | Food | |
| Fed. Sales Tax Rebate | 16,515 | 2.80 | 1.11 | 1.86 | Recreation | |
| Sub-Total 'A' | 533,993 | 90.30 | 35.97 | 60.05 | Supporting Data Processing Shops | |
| Fees | 32,040 | 5.40 | 2.16 | 3.60 | Physical Plant | |
| Miscellaneous | - | _ | | _ | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 32,040 | 5.40 | 2.16 | 3.60 | Total NASF | |
| Furniture | 25,000 | 4.20 | 1.68 | 2.81 | Non-Assignable | |
| Equipment | _ | _ | - . | _ | Custodial Circulation | |
| Sub-Total 'C' | 25,000 | 4.20 | 1.68 | 2.81 | Mechanical Rest Room | |
| Total Project Cost | 591,033 | 100.00 | 39.81 | 66.46 | Unassignable | |

CENTRAL HEATING PLANT 1965

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

SUBMISSION DATE:

UACP CODE:

CA003 UTILITY NEW BUILDING

7-2 02/70 USE CATEGORY TYPE:

CENTRAL UTILITY

900

22/SEP/71

NASF: GSF: 9,439 10,687 .88

NASF/GSF: TENDER/ESTIMATE DATE:

CONSTRUCTION TIME:

MARKET CONDITION:

06/63

09/63 - 10/64 NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|----------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | | | _ | _ | Classroom | |
| Site Develop. (Incl.) | 388,944 | 30.70 | 36.39 | 41.21 | | |
| Alter'ns & Renova'ns | _ | - | | | Special Purpose | |
| Site Development | 388,944 | 30.70 | 36.39 | 41.21 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | 22 a 7 = 49. J | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 203,093 | 16.10 | 19.00 | 21.52 | Audio Visual | |
| Building Cost | 203,093 | 16.10 | 19.00 | 21.52 | Clinic | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 393,502 | 31.10 | 36.82 | 41.69 | Assembly | |
| | | | | | Exhibition | |
| Electrical | 177,970 | 14.10 | 16.65 | 18:85 | Food | |
| Fed. Sales Tax Rebate | 34,129 | 2.70 | 3.19 | 3.62 | Recreation | |
| Sub-Total 'A' | 1,129,380 | 89.30 | 105.68 | 119.65 | Supporting | |
| ub-Total A | 1,129,560 | 65.00 | 100.00 | 110.00 | Data Processing | |
| | | | | | Shops | |
| Fees | 72,729 | 5.70 | 6.81 | 7.71 | Physical Plant | |
| Miscellaneous | 45,851 | 3.60 | 4.29 | 4.86 | | |
| 272.1000.224.20040 | 25,000 | | | | Central Utility | |
| Sub-Total 'B' | 118,580 | 9.40 | 11.10 | 12.56 | | |
| | | | | | Total NASF | |
| | 40050 | 1.00 | 4 50 | 1.80 | Non-Assignable | |
| Furniture | 16,950 | 1.30 | 1.59 | 1.80 | Custodial | |
| Equipment | | | _ | | Circulation | |
| Colomodal (C) | 16,950 | 1.30 | 1.59 | 1.80 | Mechanical | |
| Sub-Total 'C' | 10,350 | 1.30 | 1.05 | 1.00 | Rest Room | |
| | | | | | 2000 200 0211 | |
| otal Project Cost | 1,264,910 | 100.00 | 118.36 | 134.01 | Unassignable | |
| | | | | | | |

CENTRAL UTILITIES PLANT - 1

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE: PROJECT TYPE:

UTILITY

GU008

NEW BUILDING 7-2

UACP CODE: 08/70 SUBMISSION DATE:

USE CATEGORY TYPE: CENTRAL UTILITY

900

22/SEP/71

NASF:

GSF: NASF/GSF: TENDER/ESTIMATE DATE:

08/66

27,965

29,732

.94

CONSTRUCTION TIME:

10/66 - 10/68

MARKET CONDITION: BUSY

| | COST | COST | \$/GSF | \$/NASF | USE CATEGORY | NASF AREA |
|---|----------------------|---------------|--|----------------|----------------------------------|-----------|
| Site Develop. (Excl.) Site Develop. (Incl.) | 127,944 2,808,838 | 2.00 44.40 | 4.30 94.47 | 4.58 100.44 | Classroom | |
| Alter'ns & Renova'ns | | | | wine | Special Purpose | |
| te Development | 2,936,782 | 46.40 | 98.78 | 105.02 | Research | |
| Indirect & Gen'l Exp Substructure | | | | | Laboratory Dry Lab Wet Lab | |
| Horizontal Elements Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| Building Equipment | name . | ARTON A | Market Ma | _ | Physical Education | |
| Cash Allowance | 10,337 | .20 | .35 | .37 | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural uilding Cost | 620,524 | 9.80 | 20.87 | 22.19 | Audio Visual Clinic | |
| anding Cost | 630,861 | 10.00 | 21.22 | 22.56 | Demonstration | |
| Plumbing & Drains | | | | | Demonstration | |
| Heat, Vent, & Cond. | | | | | General Use | |
| echanical | 1,949,656 | 30.80 | 65.57 | 69.72 | Assembly | |
| | , , | 7 | | | Exhibition | |
| Electrical | 578,658 | 9.10 | 19.46 | 20.69 | Food | |
| Fed. Sales Tax Rebate | 186,136 | 2.90 | 6.26 | 6.66 | Recreation | |
| ub-Total 'A' | 5,909,821 | 93.40 | 198.77 | 211.33 | Supporting | |
| | | | | | Data Processing | |
| Fees | 343,161 | 5.40 | 11 54 | 10.07 | Shops | |
| Miscellaneous | 73,373 | 1.20 | 11.54 2.47 | 12.27 2.62 | Physical Plant | |
| Miscenaneous | 10,010 | 1.20 | 2.41 | 2.02 | Central Utility | |
| ub-Total 'B' | 416,534 | 6.60 | 14.01 | 14.89 | Central Othicy | |
| | | 0.00 | 2 2.02 | 11.00 | Total NASF | |
| Furniture | 1,417 | | .05 | .05 | Non-Assignable | |
| Equipment | _ | _ | | _ | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | 1,417 | | .05 | .05 | Mechanical | |
| | | | | | Rest Room | |
| otal Project Cost | 6,327,772 | 100.00 | 212.83 | 226.27 | Unassignable | |

22/SEP/71

PROJECT NAME: PROJECT NUMBER: BUILDING TYPE:

PROJECT TYPE:

ENERGY CONVERSION CENTER

WI043 UTILITY

NEW BUILDING

UACP CODE: 7-1 SUBMISSION DATE: 09/70

USE CATEGORY TYPE: CENTRAL UTILITY

900

NASF:

GSF: NASF/GSF:

24,896

29,379

.85

TENDER/ESTIMATE DATE: 03/70 CONSTRUCTION TIME: 04/70 - 11/71MARKET CONDITION: NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---------------------------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | _ | ~ | | | Classroom | |
| Site Develop. (Incl.) | 7,600 | .70 | .26 | .31 | | |
| Alter'ns & Renova'ns | | _ | | _ | Special Purpose | |
| Site Development | 7,600 | .70 | .26 | .31 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | 0.60 | |
| Exterior Cladding Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Y 11 | |
| Interior Finishes | | | | | Library | |
| Building Equipment | | _ | | | Physical Education | |
| Cash Allowance | 26,700 | 2.50 | .91 | 1.07 | Filysical Education | |
| Built-in Equipment | 20,700 | 2.00 | .51 | 1.07 | Special Use | |
| Architectural | 876,920 | 82.00 | 29.85 | 35.22 | Audio Visual | |
| Building Cost | 903,620 | 84.50 | 30.76 | 36.30 | Clinic | |
| June 1990 | 000,020 | 04.00 | 00.70 | 30.30 | Demonstration | |
| Plumbing & Drains | | | | | 2011101101141011 | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Mechanical | 70,000 | 6.50 | 2.38 | 2.81 | Assembly | |
| | | **** | _, | | Exhibition | |
| Electrical | 19,000 | 1.80 | .65 | .76 | Food | |
| Fed. Sales Tax Rebate | 30,006 | 2.80 | 1.02 | 1.21 | Recreation | |
| | | | | | | |
| Sub-Total 'A' | 970,214 | 90.70 | 33.02 | 38.97 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 67,915 | 6.30 | 2.31 | 2.73 | Physical Plant | |
| Miscellaneous | 29,106 | 2.70 | .99 | 1.17 | | |
| | | | | | Central Utility | |
| Sub-Total 'B' | 97,021 | 9.10 | 3.30 | 3.90 | | |
| | | | | | Total NASF | |
| 7 | 0.000 | | | | | |
| Furniture | 2,500 | .20 | .09 | .10 | Non-Assignable | |
| Equipment | _ | | | - | Custodial | |
| 3.1 (2.1.401) | 0.500 | 0.0 | 00 | 10 | Circulation | |
| Sub-Total 'C' | 2,500 | .20 | .09 | .10 | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 1,069,735 | 100.00 | 36.41 | 42.97 | Unassignable | |
| Total Project Cost | 1,000,100 | 100.00 | 30.41 | 44.01 | Unassignable | |
| | | | | | | |

22/SEP/71

NASF:

PROJECT NAME:
PROJECT NUMBER:
BUILDING TYPE:

CENTRAL UTILITIES — 2

YO038 UTILITY NEW BUILDING USE CATEGORY TYPE: CENTRAL UTILITY GSF: NASF/GSF: 96,000 99,000 .97

PROJECT TYPE: UACP CODE: SUBMISSION DATE:

7-2 10/70 900

TENDER/ESTIMATE DATE: CONSTRUCTION TIME: MARKET CONDITION:

04/67 05/67 -- 07/68 NORMAL

| OST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|---|----------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | | | | | Classroom | - |
| Site Develop. (Incl.) | | | | | | |
| Alter'ns & Renova'ns | | | | | Special Purpose | |
| te Development | | | | | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab Wet Lab | |
| Substructure | | | | | wet Lab | |
| Horizontal Elements | | | | | Office | |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements Interior Finishes | | | | | Library | |
| | E 0.4.40 M | 04.00 | r 00 | F 40 | Physical Education | |
| Building Equipment Cash Allowance | 524,487 | 34.90 | 5.30 | 5.46 | I flysical Education | |
| Built-in Equipment | | | _ | _ | Special Use | |
| Architectural | 281,403 | 18.70 | 2.84 | 2.93 | . Audio Visual | |
| uilding Cost | 805,890 | 53.60 | 8.14 | 8.39 | Clinic | |
| andring cost | 803,030 | 55.00 | 0.14 | 0.00 | Demonstration | |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| echanical | 471,212 | 31.40 | 4.76 | 4.91 | Assembly | |
| | | 424 | | 2,0 2 | Exhibition | |
| Electrical | _ | _ | | - | Food | |
| Fed. Sales Tax Rebate | 53,816 | 3.60 | .54 | .56 | Recreation | |
| | | | | | | |
| ub-Total 'A' | 1,223,286 | 81.40 | 12.36 | 12.74 | Supporting | |
| | | | | | Data Processing | |
| | | | | | Shops | |
| Fees | 258,934 | 17.20 | 2.62 | 2.70 | Physical Plant | |
| Miscellaneous | 20,000 | 1.30 | .20 | .21 | | |
| | | | | | Central Utility | |
| ub-Total 'B' | 278,934 | 18.60 | 2.82 | 2.91 | | |
| | | | | | Total NASF | |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| ub-Total 'C' | | | | | Mechanical Rest Room | |
| | | | | | Rest Room | |
| estal Businest Cont | 1,502,220 | 100.00 | 15.17 | 15.65 | Unassignable | |
| otal Project Cost | 1,002,220 | 100.00 | 10.11 | 10.00 | Unassignable | |



PROJECT NAME:

CENTRAL HEATING PLANT EXT. 1967

PROJECT NUMBER: CA028 BUILDING TYPE: UTILITY

PROJECT TYPE:

ADDITION

UACP CODE:

7-2 SUBMISSION DATE: 02/70 NASF:

GSF:

5,050 5,280 .96

NASF/GSF:

TENDER/ESTIMATE DATE: 09/67 CONSTRUCTION TIME: 10/67 - 09/68

MARKET CONDITION:

NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-------------------------------------|----------------|--------------------|------------------|-------------------|--------------------|-------------------------|
| Site Develop. (Excl.) | Andro | - | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | 3,000 | .60 | .57 | .59 | | |
| Alter'ns & Renova'ns | _ | _ | _ | | Special Purpose | |
| Site Development | 3,000 | .60 | .57 | .59 | Research | _ |
| | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure Horizontal Elements | | | | | Wet Lab | |
| Exterior Cladding | | | | | Office | a |
| Int. Vert. Elements | | | | | Office | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | 2207029 | |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | | | | | | |
| Built-in Equipment | | | | | Special Use | |
| Architectural | 124,400 | 23.60 | 23.56 | 24.63 | Audio Visual | _ |
| Building Cost | 124,400 | 23.60 | 23.56 | 24.63 | Clinic | |
| Plumbing & Drains | | | | | Demonstration | _ |
| Heat, Vent. & Cond. | | | | | General Use | |
| Mechanical | 314,392 | 59.70 | 59.54 | 62.26 | Assembly | _ |
| 11 CHAINGA | 017,002 | 55.10 | 33.34 | 02,20 | Exhibition | |
| Electrical | 64,780 | 12.30 | 12.27 | 12.83 | Food | _ |
| Fed. Sales Tax Rebate | 21,552 | 4.10 | 4.08 | 4.27 | Recreation | diserve |
| | | | | | | |
| Sub-Total 'A' | 485,020 | 92.10 | 91.86 | 96.04 | Supporting | |
| | | | | | Data Processing | _ |
| | 00.40* | W 00 | | | Shops | _ |
| Fees Miscellaneous | 29,435 | 5.60 | 5.57 | 5.83 | Physical Plant | |
| Miscenaneous | 12,386 | 2.40 | 2.35 | 2.45 | Central Utility | _ |
| Sub-Total 'B' | 41,821 | 7.90 | 7.92 | 8.28 | Central Culity | |
| Jud 10 vai 15 | ,0 | | 1.02 | 0.20 | Total NASF | 0.0% |
| | | | | | | |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 526,841 | 100.00 | 99.78 | 104.32 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

CENTRAL BOILER PLANT EXT. 1

PROJECT NUMBER:

MC041

BUILDING TYPE:

UTILITY ADDITION

PROJECT TYPE: UACP CODE:

7-1 SUBMISSION DATE: 04/68 USE CATEGORY TYPE:

NASF:

15,951

GSF: NASF/GSF: 18,153 .88

TENDER/ESTIMATE DATE: 03/68
CONSTRUCTION TIME: 06/67 - 11/70

| CONSING | JOHN HIME. | 00,00 |
|---------|------------|-------|
| MARKET | CONDITION: | SLACK |

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------------------|----------------|--------------------|------------------|-------------------|------------------------------|-------------------------|
| Site Develop. (Excl.) | 10,000 | .30 | .55 | .63 | Classroom | reserve |
| Site Develop. (Incl.) | 23,000 | .70 | 1.27 | 1.44 | | |
| Alter'ns & Renova'ns | 68,500 | 2.20 | 3.77 | 4.29 | Special Purpose | |
| ite Development | 101,500 | 3.20 | 5.59 | 6.36 | Research | |
| | | | | | Laboratory | |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Office | 36.7 |
| Exterior Cladding | | | | | Office | |
| Int. Vert. Elements | | | | | Library | |
| Multi-Storey Elements | | | | | Diorary | |
| Interior Finishes | 7,000 | .20 | .39 | .44 | Physical Education | - |
| Building Equipment | 347,300 | 10.90 | 19.13 | 21.77 | 2 11 / 010 01 20 01 01 01 01 | |
| Cash Allowance Built-in Equipment | 1,181,870 | 37.20 | 65.11 | 74.09 | Special Use | |
| Architectural | 800,005 | 25,20 | 44.07 | 50.15 | Audio Visual | _ |
| Building Cost | 2,336,175 | 73.60 | 128,69 | 146.46 | Clinic | |
| unding Cost | 2,000,210 | | | | Demonstration | - |
| Plumbing & Drains | | | | | | |
| Heat. Vent. & Cond. | | | | | General Use | |
| Iechanical | 258,525 | 8.10 | 14.24 | 16.21 | Assembly | _ |
| | | | | | Exhibition | .9 |
| Electrical | 149,800 | 4.70 | 8.25 | 9.39 | Food | _ |
| Fed. Sales Tax Rebate | assente | _ | _ | | Recreation | |
| | 2,846,000 | 89.60 | 156.78 | 178.42 | Supporting | |
| ub-Total 'A' | 2,840,000 | 00.00 | 100.10 | 110112 | Data Processing | 3.2 |
| | | | | | Shops | |
| Fees | 200,875 | 6.30 | 11.07 | 12.59 | Physical Plant | 59.0 |
| Miscellaneous | 55,265 | 1.70 | 3.04 | 3.46 | | |
| Miscellaneous | , | | | | Central Utility | |
| ub-Total 'B' | 256,140 | 8.10 | 14.11 | 16.06 | | 99.8% |
| | | | | | Total NASF | 33.670 |
| | #0.000 | 0.20 | 4.02 | 4.58 | Non-Assignable | |
| Furniture | 73,000 | 2.30 | 4.02 | 4.06 | Custodial | |
| Equipment | _ | _ | | | Circulation | |
| | 73,000 | 2.30 | 4.02 | 4.58 | Mechanical | |
| sub-Total 'C' | 73,000 | 2.30 | *.02 | 4.00 | Rest Room | |
| | | | | | | |
| Cotal Project Cost | 3,175,140 | 100.00 | 174.91 | 199.06 | Unassignable | |

PROJECT NAME:

HEATING PLANT EXPANSION 67

PROJECT NUMBER: WE024

BUILDING TYPE: PROJECT TYPE:

UTILITY ADDITION

7-1 UACP CODE: SUBMISSION DATE: 01/68

NASF:

14,307

GSF:

15,880 .90

NASF/GSF: TENDER/ESTIMATE DATE: 01/68

CONSTRUCTION TIME: MARKET CONDITION:

03/68 - 12/69NORMAL

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|-------------------------|-------------------------|
| Site Develop. (Excl.) | 29,650 | 3.90 | 1.87 | 2.07 | Classroom | |
| Site Develop. (Incl.) | _ | | - 05 | | 0 | |
| Alter'ns & Renova'ns | 4,000 | .50 | .25 | .28 | Special Purpose | _ |
| Site Development | 33,650 | 4.50 | 2.12 | 2.35 | Research Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | Wet Dab | |
| Exterior Cladding | | | | | Office | 76.0 |
| Int. Vert. Elements | | | | | | |
| Multi-Storey Elements | | | | | Library | _ |
| Interior Finishes | | | | | | |
| Building Equipment | 1,000 | .10 | .06 | .07 | Physical Education | _ |
| Cash Allowance | 4,470 | .60 | .28 | .31 | | |
| Built-in Equipment | _ | - | | | Special Use | |
| Architectural | 269,390 | 35.80 | 16.96 | 18.83 | Audio Visual | Attorne |
| Building Cost | 274,860 | 36.50 | 17.31 | 19.21 | Clinic | _ |
| 71 11 0 7 | | | | | Demonstration | _ |
| Plumbing & Drains | | | | | Company at the | |
| Heat. Vent. & Cond. | 310,499 | 41.20 | 19.55 | 21.70 | General Use Assembly | _ |
| Mechanical | 310,499 | 41.20 | 15.55 | 21,70 | Assembly Exhibition | _ |
| Electrical | 106,291 | 14.10 | 6.69 | 7.43 | Food | |
| Fed. Sales Tax Rebate | 19,750 | 2,60 | 1.24 | 1.38 | Recreation | |
| I CG. Daies In Income | , | _,_, | | | 10010401033 | |
| Sub-Total 'A' | 705,550 | 93.70 | 44.43 | 49.32 | Supporting | |
| | | | | | Data Processing | _ |
| | | | | | Shops | |
| Fees | 40,000 | 5.30 | 2.52 | 2.80 | Physical Plant | 23.9 |
| Miscellaneous | 7,700 | 1.00 | .48 | .54 | | |
| | | | | | Central Utility | _ |
| Sub-Total 'B' | 47,700 | 6.30 | 3.00 | 3.33 | | 99.9% |
| | | | | | Total NASF | 99.9% |
| Furniture | | | | | Non-Assignable | |
| Equipment | | | | | Custodial | |
| * | | | | | Circulation | |
| Sub-Total 'C' | | | | | Mechanical | |
| | | | | | Rest Room | |
| Total Project Cost | 753,250 | 100.00 | 47.43 | 52.65 | Unassignable | |

USE CATEGORY TYPE:

PROJECT NAME:

CENTRAL CHILLING PLANT - 67 EXPAN. 1

PROJECT NUMBER: BUILDING TYPE:

USE CATEGORY TYPE: UTILITY

PROJECT TYPE:

ALTERATION

UACP CODE: 7-1 SUBMISSION DATE: 01/69

NASF: GSF:

NASF/GSF:

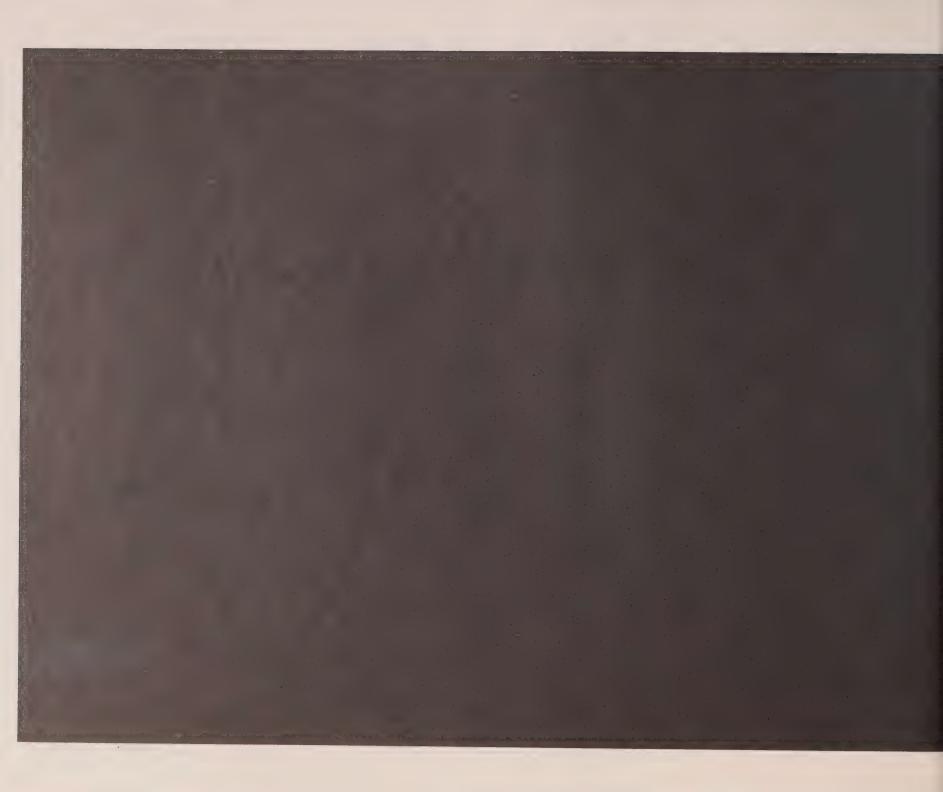
TENDER/ESTIMATE DATE: 10/68

CONSTRUCTION TIME:

01/69 - 09/69

NORMAL MARKET CONDITION:

| COST ELEMENT | ACTUAL COST | % OF TOTAL COST | ACTUAL \$/GSF | ACTUAL \$/NASF | USE CATEGORY | % OF TOTAL NASF AREA |
|-----------------------|----------------|--------------------|------------------|-------------------|---------------------|-------------------------|
| Site Develop. (Excl.) | _ | _ | _ | _ | Classroom | _ |
| Site Develop. (Incl.) | _ | _ | _ | | | |
| Alter'ns & Renova'ns | 7,000 | .50 | | _ | Special Purpose | |
| Site Development | 7,000 | .50 | _ | _ | Research | - |
| , in Doveropinon | | | | | Laboratory | _ |
| Indirect & Gen'l Exp | | | | | Dry Lab | |
| Substructure | | | | | Wet Lab | |
| Horizontal Elements | | | | | | |
| Exterior Cladding | | | | | Office | |
| Int, Vert, Elements | | | | | | _ |
| Multi-Storey Elements | | | | | Library | |
| Interior Finishes | | | | | Di coloni Education | _ |
| Building Equipment | | | | | Physical Education | |
| Cash Allowance | 222,970 | 17.20 | _ | B-147 | Special Use | |
| Built-in Equipment | | _ | | _ | Audio Visual | |
| Architectural | 27,000 | 2.10 | | _ | Clinic | _ |
| Building Cost | 249,970 | 19.30 | _ | _ | Demonstration | |
| | | | | | Demonstration | |
| Plumbing & Drains | | | | | General Use | |
| Heat. Vent. & Cond. | | *** | | | Assembly | _ |
| Mechanical | 764,854 | 58.90 | | | Exhibition | _ |
| | | 10.00 | | | Food | - |
| Electrical | 166,649 | 12.80 | _ | - | Recreation | |
| Fed. Sales Tax Rebate | _ | _ | | | 1000100000 | |
| | 1,188,473 | 91.50 | _ | _ | Supporting | |
| Sub-Total 'A' | 1,166,473 | 91.00 | | | Data Processing | - |
| | | | | | Shops | - |
| | 71,308 | 5.50 | materia | _ | Physical Plant | |
| Fees | 35,654 | 2.70 | _ | _ | | |
| Miscellaneous | 00,004 | 2 | | | Central Utility | |
| | 106,962 | 8.20 | | _ | | 0.00 |
| Sub-Total 'B' | 100,502 | 0.20 | | | Total NASF | 0.0% |
| | | | | | | |
| P | 3,000 | ,20 | _ | - | Non-Assignable | |
| Furniture | | | _ | _ | Custodial | |
| Equipment | | | | | Circulation | |
| 1. m-4-1 (C) | 3,000 | .20 | _ | _ | Mechanical | |
| Sub-Total 'C' | 0,000 | | | | Rest Room | |
| | | | | | | |
| matal Businet Cont | 1,298,435 | 100.00 | | | Unassignable | |
| Total Project Cost | 2,200,100 | | | | | |



Introduction

The Architectural Services Branch of the Department of University Affairs prepared an *interim* cost study for the Committee on University Affairs in December of 1970. The Committee requested this study to assist in its deliberations concerning the unit cost within the interim capital formula. It was printed in December of 1970 and revised in February of 1971. Official criticism of the study mostly concerned the conclusions that were drawn and the data base which was felt to be incomplete and too small. This was acknowledged at that time.

The data base has been broadened and it now includes all new building projects funded by this Department since July 1st, 1964. This study, unlike the interim study, does not concern itself with any commercial or institutional building costs. Rather, it explores experiences and trends within the Ontario university system only. It is felt that the interim study drew the macro comparisons accurately and that the reality of recent costs and ratios within the university system is more relevant at this time.

The analytical computer runs are included herein and those that are directly comparable to the tables used in the interim report are so indicated with appropriate comments. The various tables have been designed to present information in such a way as to be of use to administrators, architects and other professionals.

The basic analytic framework Table CS 1 in the original interim cost study still pertains as a methodology for determining an appropriate project cost allowance in dollars per net assignable square foot. That methodology could be rewritten as follows:

| | | r Net Assignable = | *P | roject Cost per Gross Square Foot | |
|---|------------|---|--|--|--|
| | Square Foo | t | Possible Net Assignable Area as a percentage of Gross Area (Page 86) | | |
| *Project Cost per Gross Square Foot | = | Construction Cost in Dollars per Gross Square Foot (Pg. 34) | + | 10% of Construction Cost for Fees & Contingency (Pg. 57) | |

+ 15 to 18% of Construction Cost for Furniture & Equipment (Pages 58, 59)

Observations and Conclusions

NET TO GROSS

The fact that a 6% per year escalation would require that the net to gross efficiency ratio be increased from 60% to 67% over 5 years still appears to be a valid assumption. Design efficiency must increase at only 1.2% per year to every 6% of escalatiand, until the ultimate in efficiency is reached, there should be no real difficulty is maintaining this pace.

CONSTRUCTION COSTS (34)

These costs have decreased from the 1970 figure to be on a par with the 1969 figure which itself is considerably lower than the averages in 1966, 1967, 1968.

FEES & CONTINGENCY (57)

It appears that 10% of construction cost is still a reasonable amount to include for Fees and Contingency.

EQUIPMENT & FURNITURE COSTS AS A PERCENTAGE OF

CONSTRUCTION COSTS (58, 59)

Over 7 years, 1964-71, these average 18.3% for all types. This compares to 17.4% (1964-70) in the interim study. This increase reflects additions to the data base of projects with unusually high equipment costs (see table on page 80). The assumption made last year that "an allowance of 15-17% of the construction cost is, on average, sufficient to cover the equipment and furniture costs of university projects", still appears to be a valid one.

THE NET TO GROSS RATIO (86)

This ratio has improved somewhat in 1971 and has improved generally since 1968, when the formula was introduced. The 1964-67 average was .573 whereas the formula years' (1968-71) average was .6081. This is still below the average of other jurisdictions and will, no doubt, be further improved upon.

Conclusion

It would appear then that given the above consideration, it is not unreasonable to expect that a unit cost of \$55/net assignable square foot within the capital formula would continue to allow the universities to fill their need for physical facilities in a fitting manner.

| | COSTS EXPRESSED IN DOLLARS | 018 | Equipment | 34 | Construction Costs – |
|--------------------------------|---|-------------|--|----|--|
| PER NET A (Pages 1-21 | ASSIGNABLE SQUARE FOOT incl.) | 019 | Equipment & Furniture | | This table compares directly with CS 11 |
| Page | Element | 020 | Mechanical & Electrical | | of interim study. The additions to the data base have caused considerable variance from the interim study. The |
| 001 | Site Development (excluded from General Contract) | 021 | Total Project | | projects causing most perturbation and distortion are ER 8, TO 26, WA 35 and MC 46. This figure for all types in |
| 002 | Site Development | В. | | | 1968 would be \$26.54 rather than |
| (included in General Contract) | | | COSTS EXPRESSED IN DOLLARS SS SQUARE FOOT | | \$29.68 if ER 8 and TO 26 were to be excluded. They are included to main- |
| 003 | Alterations & Renovations | (Pages 22-4 | 42 incl.) | | tain the integrity of the data base. However, in any consideration of the |
| 004 | Site Development | Page | Element | | unit cost within the formula, some subjective judgment would have to be |
| 005 | Building Equipment | 22 | Site Development (excluded from General Contract) | | exercised concerning any projects with extraordinary unit costs. |
| 006 | Cash Allowance | | ` | | The effect of the formula on unit costs would appear somewhat more drama- |
| 007 | Built-in Equipment | 23 | Site Development (included in General Contract) | | tic if two projects which were well underway at the time of the imple- |
| 008 | Architectural | 24 | Alterations & Renovations | | mentation of the formula and which were therefore less capable of having |
| 009 | Building | 25 | Site Development | | their unit cost reduced, had not been included. In the "1970 all types", if |
| 010 | Mechanical | 26 | Building Equipment | | WA 34 and MC 46 were omitted, the figure would be \$27.24 rather than |
| 011 | Electrical | 27 | Cash Allowance | | \$28.43. |
| 012 | Federal Sales Tax Rebate | 28 | Built-in Equipment | 35 | Fees |
| 013 | Construction | 29 | Architectural | 36 | Miscellaneous |
| 014 | Fees | 30 | Building | 37 | Fees & Contingency |
| 015 | Miscellaneous | 31 | Mechanical | 38 | Furniture |
| 016 | Fees & Contingency | 32 | Electrical | 39 | Equipment |
| 017 | Furniture | 33 | Federal Sales Tax Rebate | 40 | Equipment & Furniture |
| | | | | | |

| 41 | Mechanical & Electrical | 53 | Electrical | 65 | Site Development |
|-------------------------|---|------|---|----|---|
| 42 | Total Project | 54 | Federal Sales Tax Rebate | 66 | Building Equipment |
| | | 55 | Fees | 67 | Cash Allowance |
| C. ELEMENT | T COSTS EXPRESSED AS A | 56 | Miscellaneous | 68 | Built-in Equipment |
| PERCENTA (Pages 43-6 | FAGE OF CONSTRUCTION COST 61 incl.) | 57 | Fees & Contingency | 69 | Architectural |
| Page | Element | | | | |
| | | | This table compares with CS 17 of the interim study. It would appear that the | 70 | Building |
| 43 | Site Development (excluded from General Contract) | | statement made at that time that "it is clear that an allowance of 10% of total | 71 | Mechanical |
| 44 | Site Development | | construction cost is adequate" is still valid since the 1964-71 average appears | 72 | Electrical |
| | (included in General Contract) | | to be 9.89%. | 73 | Federal Sales Tax Rebate |
| 45 | Alterations & Renovations | 58 | Furniture | 74 | Construction |
| 46 | Site Development | 59 | Equipment | 75 | Fees |
| 47 | Building Equipment | 60 | Equipment & Furniture | 76 | Miscellaneous |
| 48 | Cash Allowance | 61 | Mechanical & Electrical | 77 | Fees & Contingency |
| 49 | Built-in Equipment | | | 78 | Furniture |
| 50 | Architectural | D. | coome nymphoann 10 1 | 79 | Equipment |
| 51 | Building | | COSTS EXPRESSED AS A AGE OF TOTAL PROJECT COST 1 incl.) | 80 | Equipment & Furniture |
| 52 | Mechanical | Page | Element | | Note: TAble CS 19 of the interim cos |
| | This table, together with the following | | | | study indicated a 1964-70 percentage for all types of 12.9. This has risen to |
| | one (Electrical), can be directly compared to CS 14 of the interim cost | 62 | Site Development (excluded from General Contract) | | 14.13% despite the fact that no new Science Buildings are included in 197 |
| | study. The average percentage for all types from 1964-70 in the interim | 63 | Site Development | | The increase is due to the addition to the data base of projects formerly |
| | study was 33.9%. This compares to 22.08% + 11.25%, or 33.3% for | | (included in General Contract) | | excluded because of unusually high equipment and furniture costs such as |
| | 1964-71. | 64 | Alterations and Renovations | | MC 29 and MC 21 (with actual equip- |
| | | | | | |

nent costs of \$44.78 and \$154.77 per et assignable square foot). The incluon of such projects, while maintaining ne integrity of the data base, tends to istort percentages especially since unding for such equipment is often rom another source. They should not, herefore, enter into formula unit cost onsiderations without judgment being xercised.

| 1 | Mechanical & Electrical |
|----------|---|
| 2 | Contents of Data Base Number of Projects by Building type and years |
| 3 | Total Project Cost by Building type |
| 4 | Total GSF AReas by Building type |
| 35 | Total NASF Areas by Building type |
| 36 | Net/Gross Ratios |
| 37 to 95 | Data Base Contents |
| | Note: This includes a total of 117 pr |

Note: This includes a total of 117 projects. Projects which are indicated in this manner were *not* included in last year's study.

Site Development Costs (Excluded from General Contract) Net Assignable Square Foot Ontario University System

.

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 3.32 | .66 | 1.29 | 2.01 | .30 | .60 | .35 | .21 |
| Science | 1.15 | .55 | .31 | 3.04 | .95 | 2.08 | .07 | .00 |
| Engineering | .79 | 1.36 | .00 | .00 | .28 | .68 | .00 | .00 |
| Administration | .00 | .00 | .29 | .00 | .00 | .00 | .00 | .00 |
| Arts | 7.61 | .61 | .00 | .00 | 1.20 | .68 | .00 | .00 |
| Lecture Hall | .00 | .00 | .00 | 3.42 | .00 | .00 | .00 | .00 |
| Library | .00 | .00 | .11 | .20 | .16 | .00 | .66 | .00 |
| Law | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Education | .00 | .05 | .00 | .00 | .00 | .00 | .00 | .00 |
| Physical Education | 1.14 | .00 | .00 | .08 | .00 | .10 | .22 | .00 |
| Student Union | .00 | .00 | .55 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .21 |
| Health Services | .00 | .00 | .00 | 4.50 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | 7.21 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | 1.08 | 1.41 | .00 | .00 | .00 |
| | | | | | | | | |

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Site Development Costs (Included in General Contract) Net Assignable Square Foot Ontario University System 2

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .77 | .50 | 1.01 | 1.78 | .67 | 1.55 | .74 | .44 |
| Science | .68 | .00 | 1.53 | 2.69 | 3.89 | 1.55 | .85 | .00 |
| Engineering | .45 | .04 | .00 | .53 | .95 | .91 | 1.01 | 1.73 |
| Administration | .00 | .00 | .00 | 3.21 | .00 | .00 | .00 | .24 |
| Arts | 1.31 | .89 | .60 | .00 | .39 | 2.44 | .08 | .48 |
| Lecture Hall | .00 | 1.69 | .00 | 1.45 | .00 | .00 | .00 | .00 |
| Library | .00 | .05 | .89 | .90 | .33 | .00 | .81 | .06 |
| Law | .00 | .00 | .00 | .00 | .16 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | 2.40 | .00 | .00 |
| Physical Education | .00 | .00 | .44 | 1.57 | .00 | .50 | 1.05 | .00 |
| Student Union | .00 | .00 | .18 | .00 | 3.40 | .00 | 1.63 | .00 |
| Food Services | .00 | .00 | 1.44 | .22 | .00 | .00 | .00 | 3.31 |
| Health Services | .00 | .00 | .00 | 1.17 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .90 | .00 | .67 | .00 | .00 | .00 | .69 | .00 |
| Staging Staging | .00 | .00 | .00 | .93 | .41 | .00 | .00 | .15 |
| Diagriig | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Alteration & Renovation Costs Net Assignable Square Foot Ontario University System

3

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .58 | .18 | .00 | .17 | 2.63 | .39 | .00 | .00 |
| Science | .00 | .00 | .00 | .17 | .22 | .32 | .00 | .00 |
| Engineering | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Administration | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Arts | .58 | .00 | .00 | .00 | .00 | .66 | .00 | .00 |
| Lecture Hall | .00 | .18 | .00 | .00 | .00 | .00 | .00 | .00 |
| Library | .00 | .00 | .00 | .00 | .00 | .00 | ,00, | .00 |
| Law | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Physical Education | .00 | .00 | .00 | .00 | .00 | .27 | .00 | .00 |
| Student Union | .00 | .00 | .00 | .00 | 2.94 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Site Development Costs Net Assignable Square Foot Ontario University System 4

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 3.54 | .75 | 1.57 | 3.12 | .98 | 2.10 | .94 | .45 |
| Science | 1.66 | .55 | 1.66 | 4.96 | 4.37 | 3.95 | .93 | .00 |
| Engineering | 1.24 | 1.38 | .00 | .53 | 1.23 | 1.59 | 1.01 | 1.73 |
| Administration | .00 | .00 | .29 | 3.21 | .00. | .00 | .00 | .24 |
| Arts | 6.82 | 1.06 | .60 | .00 | .74 | 2.95 | .08 | .48 |
| Lecture Hall | .00 | 1.87 | .00 | 4.87 | .00 | .00 | .00 | .00 |
| Library | .00 | .05 | 1.00 | 1.10 | .46 | .00. | 1.47 | .06 |
| Law | .00 | .00 | .00 | .00 | .16 | .00 | .00 | .00 |
| Education | .00 | .05 | .00 | .00 | .00 | 2.40 | .00 | .00 |
| Physical Education | 1.14 | .00 | .44 | 1.65 | .00 | .87 | 1.27 | .00 |
| Student Union | .00 | .00 | .73 | .00 | 5.26 | .00 | 1.63 | .00 |
| Food Services | .00 | .00 | 1.44 | .22 | .00 | .00 | .00 | 3.53 |
| Health Services | .00 | .00 | .00 | 5.67 | .00 | .00. | .00 | .00 |
| Central Services & Maintenance | .90 | .00 | 5.62 | .00 | .00 | .00 | .69 | .00 |
| Staging | .00 | .00 | .00 | 2.01 | 1.67 | .00 | .00 | .15 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Building Equipment Cost Net Assignable Square Foot Ontario University System

5

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|------|------|------|------|------|------|
| All Types | .90 | .93 | 1.26 | 2.34 | 1.40 | 1.13 | .74 | 1.83 |
| Science | .87 | .70 | .58 | 1.13 | 1.95 | 2.58 | .23 | .00 |
| Engineering | .00 | .83 | .00 | .00 | 7.38 | .00 | .20 | .00 |
| Administration | .00 | .00 | .74 | .00 | .00 | .00 | 2.88 | .00 |
| Arts | .80 | 1.18 | 2.15 | .00 | 2.02 | 1.08 | .00 | 2.72 |
| Lecture Hall | .49 | .00 | .36 | .00 | .00 | .00 | .00 | .00 |
| Library | .39 | .68 | 1.48 | .00 | .26 | .00 | .42 | 1.19 |
| Law | .00 | .00 | .00 | .00 | .74 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | 2.08 | .00 | .00 |
| Physical Education | .13 | 1.22 | 1.05 | 1.47 | .00 | .38 | 1.76 | .00 |
| Student Union | .00 | .00 | 1.66 | .00 | 3.41 | .00 | .00 | .00 |
| Food Services | .00 | .00 | 5.06 | 7.21 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | 1.01 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 10.63 | .00 | 1.60 | .00 | .00 | .00 | .43 | .07 |
| Staging | .00 | .00 | .00 | 3.63 | .00 | .00 | .00 | 1.31 |
| ~ | .00 | | .00 | 5.00 | | ••• | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Cash Allowance Costs Net Assignable Square Foot Ontario University System 6

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| | .57 | 1.01 | .64 | 1.16 | 1.98 | 1.86 | 1.37 | 1.00 |
| All Types | | | | | .25 | 1.36 | 1.41 | .00 |
| Science | .59 | .72 | .84 | 1.69 | .20 | | | |
| Engineering | .56 | 5.00 | .00 | 2.68 | 1.40 | 2.84 | 1.20 | 2.01 |
| Administration | .00 | .00 | .81 | 1.43 | .00 | .00 | .37 | .72 |
| Arts | .60 | .77 | .00 | 1.27 | 2.29 | 1.99 | .54 | .74 |
| Lecture Hall | .82 | 2.08 | .00 | 1.13 | 1.02 | .00 | .00 | .00 |
| Library | .30 | .95 | .47 | .42 | 2.14 | .00 | 3.16 | .93 |
| Law | .00 | .00 | .00 | .00 | 1.03 | .00 | .00 | .00 |
| Education | .00 | .31 | .00 | .00 | .00 | 1.67 | .00 | .00 |
| Physical Education | .42 | .43 | .50 | 1.17 | .00 | .96 | .84 | .00 |
| Student Union | .00 | .00 | .59 | .00 | 3.10 | .00 | .37 | .00 |
| Food Services | .00 | .00 | .49 | | .00 | .00 | .00 | .78 |
| Health Services | .00 | .00 | .00 | 1.41 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .40 | .00 | .21 | .00 | .00 | .00 | .77 | .42 |
| Staging | .00 | .00 | .00 | .30 | .35 | .00 | .00 | 1.55 |
| | | | | | | | | |

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| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 2.72 | 1.84 | 2.31 | 4.25 | .80 | 1.31 | 1.15 | 1.37 |
| Science | 3.27 | 4.92 | 6.32 | 6.86 | 5.81 | .15 | 2.28 | .00 |
| Engineering | .00 | .39 | .00 | 1.42 | 4.51 | 2.73 | 2.51 | .00 |
| Administration | .00 | .00 | .58 | .00 | .00 | .00 | .00 | .00 |
| Arts | 3.03 | .14 | .24 | .00 | 3.46 | .09 | .00 | .31 |
| Lecture Hall | 1.21 | .74 | .00 | .38 | .00 | .00 | .00 | .00 |
| Library | .00 | .00 | .00 | .00 | .09 | .00 | .01 | .21 |
| Law | .00 | .00 | .00 | .00 | .45 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | .53 | .00 | .00 |
| Physical Education | 1.30 | .00 | .00 | 1.73 | .00 | .00 | .33 | .00 |
| Student Union | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 4.61 |
| | | | | | | | | |

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Architectural Costs Net Assignable Square Foot Ontario University System 8

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 32.39 | 27.39 | 25.76 | 29.30 | 32.05 | 25.14 | 29.87 | 24.25 |
| Science | 32.79 | 24.31 | 24.16 | 33.61 | 28.65 | 27.71 | 29.56 | .00 |
| Engineering | 24.40 | 25.71 | .00 | 25.60 | 35.09 | 23.15 | 32.00 | 28.30 |
| Administration | .00 | .00 | 28.43 | 24.59 | .00 | .00 | 22.72 | 22.34 |
| Arts | 37.97 | 29.41 | 39.30 | 40.30 | 31.24 | 26.91 | 33.18 | 24.32 |
| Lecture Hall | 31.17 | 49.05 | .00 | 48.16 | 43.94 | .00 | .00 | .00 |
| Library | 17.11 | 26.65 | 25.46 | 23.99 | 32.39 | .00 | 23.49 | 24.98 |
| Law | .00 | .00 | .00 | .00 | 25.03 | .00 | .00 | .00 |
| Education | .00 | 35.18 | .00 | .00 | .00 | 31.75 | .00 | .00 |
| Physical Education | 20.31 | 21.41 | 20.95 | 21.29 | .00 | 19.50 | 31.53 | .00 |
| Student Union | .00 | .00 | 36.66 | .00 | 34.65 | .00 | 31.92 | .00 |
| Food Services | .00 | .00 | 20.06 | 22.42 | .00 | .00 | .00 | 14.14 |
| Health Services | .00 | .00 | .00 | 31.39 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 25.15 | .00 | 16.13 | .00 | .00 | .00 | 43.07 | 17.31 |
| Staging | .00 | .00 | .00 | 15.25 | 11.26 | .00 | .00 | 25.59 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Building Costs Net Assignable Square Foot Ontario University System

9

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 34.94 | 30.03 | 28.51 | 34.48 | 35.98 | 29.10 | 32.54 | 27.60 |
| Science | 34.82 | 28.41 | 27.97 | 41.19 | 33.10 | 31.80 | 33.48 | .00 |
| Engineering | 24.96 | 29.21 | .00 | 29.71 | 48.38 | 28.71 | 35.91 | 30.31 |
| Administration | .00. | .00 | 30.55 | 26.02 | .00 | .00 | 25.98 | 23.06 |
| Arts | 41.54 | 31.46 | 41.03 | 41.58 | 37.06 | 30.02 | 33.73 | 27.63 |
| Lecture Hall | 32.43 | 51.87 | .00 | 50.03 | 44.96 | .00 | .00 | .00 |
| Library | 17.81 | 28.28 | 27.42 | 31.90 | 34.88 | .00 | 27.08 | 27.32 |
| Law | .00 | .00 | .00 | .00 | 27.25 | .00 | .00 | .00 |
| Education | .00 | 35.49 | .00 | .00 | .00 | 35.23 | .00 | .00 |
| Physical Education | 22.16 | 23.06 | 22.50 | 24.65 | .00 | 20.84 | 34.45 | .00 |
| Student Union | .00 | .00 | 38.91 | .00 | 41.16 | 50.18 | 32.29 | .00 |
| Food Services | .00 | .00 | 25.61 | 30.56 | .00 | .00 | .00 | 14.92 |
| Health Services | .00. | .00 | .00 | 33.81 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance 36.1 | | .00 | 17.54 | .00 | .00 | .00 | 44.26 | 17.80 |
| Staging | .00 | .00 | .00 | 19.18 | 11.61 | .00 | .00 | 32.89 |
| | | | | | | | | |

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| Mechanical Costs |
|----------------------------|
| Net Assignable Square Foot |
| Ontario University System |

10

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 10.50 | 11.00 | 12.21 | 11.22 | 9.36 | 9.67 | 9.60 | 10.47 |
| Science | 11.23 | 13.06 | 13.15 | 15.80 | 13.87 | 9.81 | 14.33 | .00 |
| Engineering | 16.71 | 12.28 | .00 | 7.52 | 13.93 | 9.97 | 12.22 | 12.25 |
| Administration | .00 | .00 | 7.29 | 10.25 | .00 | .00 | 10.92 | 8.20 |
| Arts | 11.34 | 11.48 | 14.02 | 11.70 | 10.07 | 9.25 | 10.37 | 11.21 |
| Lecture Hall | 11.44 | 7.43 | .00 | 12.26 | 13.64 | .00 | .00 | .00 |
| Library | 3.65 | 8.58 | 10.28 | 7.32 | 8.48 | .00 | 5.79 | 11.26 |
| Law | .00 | .00 | .00 | .00 | 7.28 | .00 | .00 | .00 |
| Education | .00 | 8.03 | .00 | .00 | .00 | 13.79 | .00 | .00 |
| Physical Education | 7.37 | 6.43 | 6.17 | 9.87 | .00 | 6.81 | 7.12 | .00 |
| Student Union | .00 | .00 | 10.19 | .00 | 11.62 | .00 | 9.52 | .00 |
| Food Services | .00 | .00 | 8.35 | 7.23 | .00 | .00 | .00 | 12.30 |
| Health Services | .00 | .00 | .00 | 11.90 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 5.46 | .00 | 19.98 | .00 | .00 | .00 | 1.97 | 7.75 |
| Staging | .00 | .00 | .00 | 6.51 | 3.37 | .00 | .00 | 8.95 |
| | | | | | | | | |

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| Electrical Costs |
|----------------------------|
| Net Assignable Square Foot |
| Ontario University System |

| 1 | 1 | |
|-----|-----|--|
| - 1 | - 1 | |

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|------|------|------|------|------|------|
| All Types | 6.12 | 4.79 | 5.89 | 5.44 | 5.05 | 4.80 | 5.72 | 4.70 |
| Science | 6.45 | 6.37 | 6.34 | 7.29 | 5.47 | 5.27 | 7.29 | .00 |
| Engineering | 4.89 | 5.25 | .00 | 4.03 | 4.34 | 5.00 | 7.09 | 4.99 |
| Administration | .00 | .00 | 6.49 | 4.17 | .00 | .00 | 3.53 | 3.46 |
| Arts | 4.36 | 4.15 | 6.07 | 6.95 | 6.21 | 4.26 | 5.55 | 4.60 |
| Lecture Hall | 35.37 | 6.25 | .00 | 8.37 | 4.65 | .00. | .00 | .00 |
| Library | 2.39 | 3.29 | 4.60 | 4.05 | 5.30 | .00 | 4.91 | 3.91 |
| Law | .00 | .00 | .00 | .00 | 4.02 | .00 | .00 | .00 |
| Education | .00 | 2.69 | .00 | .00 | .00 | 7.06 | .00 | .00 |
| Physical Education | 3.04 | 4.45 | 4.58 | 3.97 | .00 | 3.47 | 5.67 | .00 |
| Student Union | .00 | .00 | 6.48 | .00 | 4.36 | .00 | 5.17 | .00 |
| Food Services | .00 | .00 | 4.48 | 2.44 | .00 | .00 | .00 | 4.74 |
| Health Services | .00 | .00 | .00 | 7.37 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 2.46 | .00 | 7.41 | .00 | .00 | .00 | .98 | 3.10 |
| Staging | .00 | .00 | .00 | 2.84 | 2.34 | .00 | .00 | 6.69 |
| | | | | | | | | |

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| Federal Sales Tax Rebate Net Assignable Square Foot Ontario University System | | | | | | | | 12 |
|---|------|------|------|------|------|------|------|------|
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
| All Types | 2.28 | 1.88 | 1.93 | 1.88 | 1.97 | 1.45 | 1.54 | 1.29 |
| Science | 2.38 | 2.00 | 1.91 | 2.57 | 2.26 | 1.46 | 1.67 | .00 |
| Engineering | 1.99 | 1.99 | .00 | 1.67 | 2.23 | 1.57 | 1.69 | 1.43 |
| Administration | .00 | .00 | 1.76 | 1.75 | .00 | .00 | 1.21 | 1.05 |
| Arts | 2.38 | 2.19 | 2.25 | 2.41 | 2.13 | 1.31 | 1.45 | 1.31 |
| Lecture Hall | 2.92 | 2.70 | .00 | 2.16 | .00 | .00 | .00 | .00 |
| Library | 1.04 | 1.21 | 1.90 | 1.36 | 1.96 | .00 | 1.63 | 1.28 |
| Law | .00 | .00 | .00 | 1.84 | 1.55 | .00 | .00 | .00 |
| Education | .00 | 2.02 | .00 | .00 | .00 | 1.75 | .00 | .00 |
| Physical Education | .00 | 1.50 | 1.35 | 1.63 | .00 | 1.33 | 1.45 | .00 |
| Student Union | .00 | .00 | 2,22 | .00 | 2.42 | .50 | 1.46 | .00 |
| Food Services | .00 | .00 | 1.60 | 1.62 | .00 | .00 | .00 | 1.04 |
| Health Services | .00 | .00 | .00 | 2.17 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 1.40 | 1.21 | 2.53 | .00 | .00 | .00 | 1.44 | .86 |
| Staging | .00 | .00 | .00 | .90 | .73 | .00 | .00 | 1.46 |
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Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Construction Costs Net Assignable Square Foot Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 48.96 | 44.79 | 45.53 | 44.46 | 48.34 | 43.95 | 47.34 | 41.89 |
| Science | 49.43 | 47.30 | 46.92 | 57.73 | 54.55 | 49.37 | 55.12 | .00 |
| Engineering | 45.82 | 46.13 | .00 | 40.12 | 65.65 | 43.70 | 54.54 | 47.86 |
| Administration | 37.67 | .00 | 42.86 | 41.91 | .00 | .00 | 39.21 | 33.92 |
| Arts | 55.83 | 46.25 | 53.97 | 57.82 | 52.88 | 45.69 | 48.28 | 42.54 |
| Lecture Hall | 70.50 | 64.72 | .00 | 73.37 | 63.25 | .00 | .00 | .00 |
| Library | 27.84 | 38.99 | 41.39 | 38.75 | 45.80 | .00 | 37.62 | 41.26 |
| Law | .00 | .00 | .00 | 1.84 | 37.16 | .00 | .00 | .00 |
| Education | .00 | 44.23 | .00 | .00 | .00 | 56.74 | .00 | .00 |
| Physical Education | 33.71 | 32.44 | 32.34 | 37.23 | .00 | 30.66 | 47.06 | .00 |
| Student Union | .00 | 55.59 | 54.09 | .00 | 59.98 | 49.68 | 47.16 | .00 |
| Food Services | .00 | .00 | 38.28 | 38.83 | .00 | .00 | .00 | 34.45 |
| Health Services | .00 | .00 | .00 | 56.58 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 43.60 | 30.32 | 49.11 | 60.22 | .00 | .00 | 46.46 | 27.79 |
| Staging | .00 | .00 | .00 | 28.59 | 18.26 | .00 | .00 | 47.22 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

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| Net Assignable Square Fo | oot |
| Ontario University Syste | m |

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| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 3.56 | 2.96 | 3.01 | 3.39 | 4.18 | 3.08 | 3.59 | 3.65 |
| Science | 4.53 | 3.17 | 3.11 | 4.97 | 3.89 | 3.47 | 4,39 | ,00 |
| Engineering | 3.09 | 3.03 | .00 | 2.51 | 4.29 | 3.18 | 4.61 | 3.35 |
| Administration | 2.31 | .00 | 2.71 | 2.62 | .00 | .00 | 2.55 | 2.37 |
| Arts | 3.32 | 3.11 | 3.32 | 3.61 | 3.48 | 3.20 | 3.40 | 4.08 |
| Lecture Hall | 4.39 | 4,05 | .00 | 4.77 | 3.93 | .00 | .00 | .00 |
| Library | 1.54 | 2.53 | 3.21 | 2.64 | 4.52 | .00 | 2.88 | 4.11 |
| Law | .00 | .00 | .00 | 2.75 | 2.60 | .00 | .00 | .00 |
| Education | .00 | 2.85 | .00 | .00 | .00 | 3.73 | .00 | .00 |
| Physical Education | 1.95 | 2.18 | 2.02 | 2.38 | .00 | 2.25 | 3.52 | .00 |
| Student Union | .00 | .00 | 3.35 | .00 | 3,85 | .00 | 3.68 | .00 |
| Food Services | .00 | .00 | 2.39 | 2.43 | .00 | .00 | .00 | 1.88 |
| Health Services | .00 | .00 | .00 | 3.25 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 2.03 | 1.82 | 3.12 | .00 | .00 | .00 | 2.78 | 1.95 |
| Staging | .00 | .00 | .00 | .70 | .74 | .00 | .00 | 3.55 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

| Miscellaneous Costs Net Assignable Square Foot Ontario University System | | | | | | | | 15 |
|--|------|------|------|------|------|------|------|------|
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
| All Types | .77 | .82 | 1.10 | 1.97 | 1.08 | 1.39 | 1.26 | 1.18 |
| Science | 1.06 | 1.23 | .89 | 2,40 | 1.54 | ,90 | 1.65 | .00 |
| Engineering | 1.80 | .41 | .00 | 1.25 | .97 | 1.10 | 1.64 | 1.44 |
| Administration | .26 | .00 | .07 | 1.31 | .00 | .00 | 1.18 | 1.02 |
| Arts | .67 | .41 | 2,25 | .63 | 1.48 | 1.37 | 1.42 | 1.47 |
| Lecture Hall | .14 | 2.02 | .00 | .00 | 2.75 | .00 | .00 | .00 |
| Library | .00 | .00 | .70 | 3.33 | .92 | .00 | .88. | .00 |
| Law | .00 | .00 | .00 | 1.38 | 1.11 | .00 | .00 | .00 |
| Education | .00 | 1.63 | .00 | .00 | .00 | 2.47 | .00 | .00 |
| Physical Education | .29 | .47 | 1.01 | .27 | .00 | 1.02 | .85 | .00 |
| Student Union | .00 | .00 | 1.67 | .00 | 1.82 | .00 | 1.04 | .00 |
| Food Services | .00 | .00 | 1.20 | 1.21 | .00 | .00 | .00 | .93 |
| Health Services | .00 | .00 | .00 | 1.63 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .66 | .91 | 1.67 | .00 | .00 | .00 | .00 | .83 |
| Staging | .00 | .00 | .00 | 4.74 | .74 | .00 | .00 | .93 |
| | | | | | | | | |

Dept. of University Affairs **Architectural Services Branch** Date: 02 Oct. 71

| Fees & Contingency Costs |
|----------------------------|
| Net Assignable Square Foot |
| Ontario University System |
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16

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 4.17 | 3.67 | 4.07 | 5.24 | 5.26 | 4.47 | 4.82 | 4.39 |
| Science | 5.18 | 4.40 | 4.01 | 6.60 | 5,19 | 4.37 | 6.04 | .00 |
| Engineering | 4.89 | 3.44 | .00 | 3.76 | 5.26 | 4.28 | 6.25 | 4.79 |
| Administration | 2.57 | .00 | 2.77 | 3.93 | .00 | .00 | 3.73 | 3.39 |
| Arts | 4.00 | 3.52 | 4.95 | 4.24 | 4.96 | 4.58 | 4.83 | 4.98 |
| Lecture Hall | 4.46 | 6.07 | .00 | 4.77 | 6.68 | .00 | .00 | .00 |
| Library | 2.15 | 2.53 | 3.91 | 5.97 | 5.44 | .00 | 3.76 | 4.11 |
| Law | .00 | .00 | .00 | 4.13 | 3.72 | .00 | .00 | .00 |
| Education | .00 | 4.48 | .00 | .00 | .00 | 6.21 | .00 | .00 |
| Physical Education | 2.24 | 2.64 | 3.03 | 2.77 | .00 | 3.27 | 4.36 | .00 |
| Student Union | .00 | 3.44 | 5.02 | .00 | 5.67 | .00 | 4.72 | .00 |
| Food Services | .00 | .00 | 3.59 | 3.64 | .00 | .00 | .00 | 2.82 |
| Health Services | .00 | .00 | .00 | 4.88 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 2.69 | 2.73 | 4.78 | 5.06 | .00 | .00 | 2.78 | 2.78 |
| Staging | .00 | .00 | .00 | 5.44 | 1.48 | .00 | .00 | 4.49 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Furniture Costs

Net Assignable Square Foot

| Ontario University System | | | | | | | | |
|--------------------------------|-------|------|------|------|------|------|------|------|
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| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
| All Types | 4.41 | 3,89 | 4.36 | 3.90 | 4.32 | 4.43 | 4.01 | 3.54 |
| Science | 5.02 | 3.67 | 3.58 | 1.81 | 1.49 | 3.17 | 2.87 | .00 |
| Engineering | 4.18 | 2.72 | .00 | 1.48 | 2.54 | 6.69 | 2,58 | 2.26 |
| Administration | 3.07 | .00 | 4.63 | 4.00 | ,00 | .00 | 5.54 | 2.54 |
| Arts | 2.89 | 4.81 | 4.40 | 4.93 | 3,51 | 5.99 | 5,25 | 4.14 |
| Lecture Hall | 3.82 | .00 | .00 | 7,30 | 6.14 | .00 | .00 | .00 |
| Library | 17.55 | 5.69 | 7.88 | 2.97 | 4.48 | .00 | 5.74 | 4.70 |
| Law | .00 | .00 | .00 | 6.28 | 5.54 | .00 | .00 | .00 |
| Education | .00 | 1.78 | .00 | .00 | .00 | 4.18 | .00 | .00 |
| Physical Education | .72 | 1.25 | .00 | 4.48 | .00 | .58 | 1,21 | .00 |
| Student Union | .00 | .00 | 4.55 | .00 | 4.89 | 5,92 | 5.63 | .00 |
| Food Services | .00 | .00 | 4.50 | 7.29 | .00 | .00 | .00 | 1.10 |
| Health Services | .00 | .00 | .00 | 3.51 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .39 | .57 | .75 | .00 | .00 | .00 | .00 | 1.61 |
| Staging | .00 | .00 | .00 | .68 | 4.33 | .00 | .00 | 2.51 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

New Buildings

17

| Equipment Costs | | | | | | |
|----------------------------|--|--|--|--|--|--|
| Net Assignable Square Foot | | | | | | |
| Ontario University System | | | | | | |
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18

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|-------|-------|-------|------|------|-------|
| All Types | 5.94 | 4.92 | 4.93 | 9.80 | 3.48 | 4.00 | 4.55 | 2.13 |
| Science | 7.79 | 9,50 | 5.44 | 17.71 | 6.58 | 5.41 | 5.66 | .00 |
| Engineering | .00 | 5.09 | .00 | 9.17 | 11.84 | .00 | 5.95 | 5.46 |
| Administration | .00 | .00 | .00 | .00 | ,00 | .00 | 3.18 | .00 |
| Arts | 5.55 | 2.28 | 7.00 | 2.79 | 8.94 | 3.73 | 2.65 | 2,43 |
| Lecture Hall | 3.99 | .00 | .00 | 6,08 | 11.81 | .00 | .00 | .00 |
| Library | 2.32 | 2.63 | .42 | 1.49 | 1.44 | .00 | 8.67 | .56 |
| Law | .00 | .00 | .00 | 8.65 | .00 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | 7.59 | .00 | .00 |
| Physical Education | 2.82 | 2.42 | .00 | 2.09 | .00 | 1.72 | .42 | .00 |
| Student Union | .00 | .00 | .00 | .00 | 2.55 | .59 | 1.19 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 12.40 |
| Health Services | .00 | .00 | .00 | 1.75 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 2.06 | 4.17 | 11.75 | .00 | .00 | .00 | .00 | 1.17 |
| Staging | .00 | .00 | .00 | 25.32 | 3.94 | .00 | .00 | 1.00 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Equipment & Furniture Costs Net Assignable Square Foot Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|----------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 9.86 | 8.37 | 7.60 | 11.51 | 7.59 | 7.50 | 8.56 | 5.41 |
| Science | 12.23 | 13.16 | 8.90 | 16.08 | 7.06 | 8.58 | 8.53 | .00 |
| Engineering | 4.18 | 7.81 | .00 | 10.65 | 14.38 | 6.69 | 8.52 | 7.72 |
| Administration | 3.07 | .00 | 4.63 | 4.00 | .00 | .00 | 8.72 | 2.54 |
| Arts | 8.43 | 7.09 | 11.40 | 7.72 | 12.44 | 9.72 | 7.91 | 6.57 |
| Lecture Hall | 7.80 | 4.48 | .00 | 13.38 | 17.95 | .00 | .00 | .00 |
| Library | 16.64 | 8.32 | 8.30 | 3.94 | 5.91 | .00 | 14.41 | 5.26 |
| Law | .00. | .00 | .00 | 14.93 | 5.54 | .00 | .00 | .00 |
| Education | .00 | 1.78 | .00 | .00 | .00 | 11.77 | .00 | .00 |
| Physical Education | 3.54 | 3.68 | 2.44 | 6.57 | .00 | 2.30 | 1.63 | .00 |
| Student Union | .00 | 1.80 | 4.55 | .00 | 6.50 | 6.50 | 6.81 | .00 |
| Food Services | .00 | .00 | 4.50 | 7.29 | .00 | .00 | .00 | 13.51 |
| Health Services | .00 | .00 | .00 | 5.26 | .00 | .00 | .00 | .00 |
| Central Services & M | aintenance 2.45 | 4.74 | 4.21 | 12.67 | .00 | .00 | .00 | 2.78 |
| Staging | .00. | .00 | .00 | 12.62 | 8.28 | .00 | .00 | 3.49 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| Mechanical & Electrical Costs |
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| Net Assignable Square Foot |
| Ontario University System |

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| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|-------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 16.44 | 15.79 | 18.10 | 16.66 | 14.41 | 14.47 | 15.31 | 15.17 |
| Science | 17.68 | 19.43 | 19.49 | 23.09 | 19.34 | 15.08 | 21.62 | .00 |
| Engineering | 21.60 | 17.53 | .00 | 11.55 | 18.28 | 14.97 | 19.30 | 17.24 |
| Administration | .00. | .00 | 13.78 | 14.43 | .00 | .00 | 14.44 | 11.67 |
| Arts | 15.70 | 15.64 | 20.09 | 18.65 | 16.28 | 13.51 | 15.92 | 15.81 |
| Lecture Hall | 40.99 | 13.68 | .00 | 20.63 | 18.29 | .00 | .00 | .00 |
| Library | 6.05 | 11.87 | 14.88 | 11.38 | 13.78 | .00 | 10.70 | 15.17 |
| Law | .00. | .00 | .00 | .00 | 11.30 | .00 | .00 | .00. |
| Education | .00 | 10.72 | .00 | .00 | .00 | 20.85 | .00 | .00. |
| Physical Education | 10.41 | 10.88 | 10.75 | 13.84 | .00 | 10.28 | 12.79 | .00. |
| Student Union | .00 | .00 | 16.67 | .00 | 15.98 | .00 | 14.69 | .00 |
| Food Services | .00. | .00 | 12.83 | 9.67 | .00 | .00, | .00 | 17.04 |
| Health Services | .00 | .00 | .00 | 19.27 | .00 | .00 | .00 | .00 |
| Central Services & Mair | ntenance 7.92 | .00 | 27.38 | .00 | .00 | .00. | 2.95 | 10.85 |
| Staging | .00 | .00 | .00 | 9.35 | 5.71 | .00 | .00 | 15.64 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Total Project Costs Net Assignable Square Foot Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 62.99 | 56.83 | 57.19 | 65.65 | 61.19 | 55.80 | 60.50 | 51.69 |
| Science | 66.84 | 64.86 | 59.82 | 80.41 | 66.80 | 62.32 | 69.69 | .00 |
| Engineering | 54.90 | 57.37 | .00 | 54.52 | 85.30 | 54.68 | 69.31 | 60.36 |
| Administration | 43.32 | .00 | 50.27 | 49.84 | .00 | .00 | 51.66 | 39.85 |
| Arts | 68.25 | 56.87 | 70.33 | 69.79 | 70.28 | 59.98 | 61.01 | 54.09 |
| Lecture Hall | 82.76 | 75.27 | .00 | 91.52 | 87.87 | .00 | .00 | .00 |
| Library | 46.63 | 49,85 | 53.60 | 48.67 | 57.16 | .00 | 55.79 | 50.64 |
| Law | .00 | .00 | .00 | 63.11 | 46.41 | .00 | .00 | .00 |
| Education | .00 | 50.49 | .00 | .00 | .00 | 74.71 | .00 | .00 |
| Physical Education | 39.49 | 38.75 | 37.81 | 45.38 | .00 | 36.22 | 53.05 | .00 |
| Student Union | .00 | 60.83 | 63.66 | .00 | 72.15 | 56.18 | 58.69 | .00 |
| Food Services | .00 | .00 | 46.37 | 49.76 | .00 | .00 | .00 | 50.78 |
| Health Services | .00 | .00 | .00 | 66.72 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 48.74 | 37.78 | 58.10 | 77.95 | .00 | .00 | 49.24 | 33.34 |
| Staging | .00 | .00 | .00 | 43.78 | 28.02 | .00 | .00 | 55.19 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Site Development Costs (Excluded from General Contract) Gross Square Foot Ontario University System 22

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 1.70 | .36 | .75 | 1.19 | .19 | .35 | .22 | .11 |
| Science | .57 | .31 | .16 | 1.70 | .59 | 1.25 | .04 | .00 |
| Engineering | .52 | .81 | .00 | .00 | .13 | .39 | .00 | .00 |
| Administration | .00 | .00 | .18 | .00 | .00 | .00 | .00 | .00 |
| Arts | 3.89 | .31 | .00 | .00 | .65 | .39 | .00 | .00 |
| Lecture Hall | .00 | .00 | .00 | 1.68 | .00 | .00 | .00 | .00 |
| Library | .00 | .00 | .06 | .14 | .11 | .00 | .43 | .00 |
| Law | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Education | .00 | .03 | .00 | .00 | .00 | .00 | .00 | .00 |
| Physical Education | .67 | .00 | .00 | .05 | .00 | .06 | .15 | .00 |
| Student Union | .00 | .00 | .28 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .11 |
| Health Services | .00 | .00 | .00 | 2.58 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | 6.07 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .73 | 1.00 | .00 | .00 | .00 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| Site Development | Costs (Included in Ger | neral Contract) |
|--------------------------|------------------------|-----------------|
| Gross Square Foot | | |
| Ontario University | System | |

23

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .37 | .27 | .60 | 1.05 | .41 | .91 | .44 | .27 |
| Science | .32 | .00 | .87 | 1.40 | 2.28 | .94 | .51 | .00 |
| Engineering | .30 | .02 | .00 | .30 | .46 | .53 | .60 | 1.01 |
| Administration | .00 | .00 | .00 | 2.23 | .00 | .00 | .00 | .17 |
| Arts | .66 | .45 | .30 | .00 | .20 | 1.44 | .04 | .30 |
| Lecture Hall | ,00, | .87 | .00 | .72 | .00 | .00 | .00 | .00 |
| Library | .00 | .03 | .51 | .63 | .22 | .00 | .52 | .03 |
| Law | .00 | .00 | .00 | .00 | .10 | .00 | .00 | .00 |
| Education | .00 | .00 | ,00, | .00 | .00 | 1.37 | .00 | .00 |
| Physical Education | .00 | .00 | .33 | 1.02 | .00 | .30 | .70 | .00 |
| Student Union | .00 | .00 | .09 | .00 | 1.96 | .00 | 1.12 | .00 |
| Food Services | .00 | .00 | .98 | .16 | .00 | .00 | .00 | 1.79 |
| Health Services | .00. | .00 | .00 | .67 | .00 | .00 | .00. | .00 |
| Central Services & Maintenance | .55 | .00 | .53 | .00 | .00 | .00 | .51 | .00 |
| Staging | .00 | .00 | .00 | .64 | .30 | .00 | .00 | .09 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Alteration & Renovation Costs Gross Square Foot Ontario University System 24

| BU | ILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|-----|------------------------------|------|------|------|------|------|------|------|------|
| All | Types | .29 | .09 | .00 | .09 | 1.47 | .23 | .00. | .00 |
| Sci | ence | .00 | .00 | .00 | .09 | .12 | .19 | .00 | .00 |
| En | gineering | .00 | .00 | .00 | .00 | .00. | .00 | .00 | .00 |
| Ad | ministration | .00 | .00 | .00 | .00 | .00. | .00 | .00 | .00 |
| Ar | is | .29 | .00 | .00 | .00 | .00, | .38 | .00 | .00 |
| Le | cture Hall | .00 | .09 | .00 | .00 | .00 | .00 | .00, | .00 |
| Lit | orary | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| La | | .00 | .00 | .00 | .00 | .00. | .00. | .00 | .00 |
| | ucation | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| | ysical Education | .00 | .00 | .00 | .00 | .00 | .16 | .00 | .00 |
| | ident Union | .00 | .00 | .00 | .00 | 1.65 | .00 | .00 | .00 |
| | od Services | .00 | .00 | .00 | .00 | .00. | .00 | .00 | .00 |
| | alth Services | .00 | .00 | .00 | .00 | .00 | .00. | .00 | .00 |
| | ntral Services & Maintenance | .00 | .00 | .00 | .00 | .00 | .00. | .00 | .00 |
| | aging | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
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Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs Gross Square Foot Ontario University System

25

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 1.82 | .41 | .94 | 1.87 | .60 | 1.23 | .56 | .28 |
| Science | .83 | .31 | .95 | 2.69 | 2.56 | 2.39 | .55 | .00 |
| Engineering | .82 | .82 | .00 | .30 | .59 | .92 | .60 | 1.01 |
| Administration | .00 | .00 | .18 | 2.23 | .00 | .00 | .00 | .17 |
| Arts | 3.48 | .54 | .30 | .00 | .40 | 1.75 | .04 | .30 |
| Lecture Hall | .00 | .96 | .00 | 2.40 | .00 | .00 | .00 | .00 |
| Library | .00 | .03 | .58 | .77 | .31 | .00 | .95 | .03 |
| Law | .00 | .00 | .00 | .00 | .10 | .00 | .00 | .00 |
| Education | .00 | .03 | .00 | .00 | .00 | 1.37 | .00 | .00 |
| Physical Education | .67 | .00 | .33 | 1.07 | .00 | .53 | .84 | .00 |
| Student Union | .00 | .00 | .38 | .00 | 3.02 | .00 | 1.12 | .00 |
| Foods Services | .00 | .00 | .98 | .16 | .00 | .00 | .00 | 1.91 |
| Health Services | .00 | .00 | .00 | 3,25 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .55 | .00 | 4.45 | .00 | .00 | .00 | .51 | .00 |
| Staging | .00 | .00 | .00 | 1.37 | 1.18 | .00 | .00 | .09 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Building Equipment Costs Gross Square Foot Ontario University System 26

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .47 | .51 | .74 | 1.36 | .86 | .67 | .47 | 1.12 |
| Science | .43 | .40 | .33 | .60 | 1.11 | 1.56 | .14 | .00 |
| Engineering | .00 | .49 | .00 | .00 | 3.53 | .00 | .12 | .00 |
| Administration | .00 | .00 | .46 | .00 | .00 | .00 | 1.82 | .00 |
| Arts | .41 | .61 | .97 | .00 | 1.09 | .64 | .00 | 1.70 |
| Lecture Hall | .25 | .00 | .00 | .18 | .00 | .00 | .00 | .00 |
| Library | .28 | .39 | .86 | .00 | .17 | .00 | .27 | .72 |
| Law | .00 | .00 | .00 | .00 | .47 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | 1.24 | .00 | .00 |
| Physical Education | .07 | .80 | .79 | .95 | .00 | .23 | 1.17 | .00 |
| Student Union | .00 | .00 | .86 | .00 | 1.96 | .00 | .00 | .00 |
| Food Services | .00 | .00 | 3.45 | 5.05 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | .58 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 6.44 | .00 | 1.23 | .00 | .00 | .00 | .31 | .05 |
| Staging | .00 | .00 | .00 | 2.54 | .00 | .00 | .00 | .78 |
| D 100Pres | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| Cash Allowance Costs |
|----------------------------------|
| Gross Square Foot |
| Ontario University System |

27

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .29 | .56 | .39 | .71 | 1.21 | 1.09 | .82 | .62 |
| Science | .29 | .40 | .48 | .95 | .14 | .82 | .83 | .00 |
| Engineering | .37 | 2.96 | .00 | 1.52 | .67 | 1.64 | .71 | 1.18 |
| Administration | .00 | .00 | .50 | .99 | .00 | .00 | .23 | .51 |
| Arts | .31 | .40 | .00 | .67 | 1.23 | 1.18 | .28 | .46 |
| Lecture Hall | .42 | 1.06 | .00 | .56 | .44 | .00 | .00 | .00 |
| Library | .22 | .54 | .27 | .29 | 1.41 | .00 | 2.04 | .57 |
| Law | .00 | .00 | .00 | .00 | .65 | .00 | .00 | .00 |
| Education | .00 | .18 | .00 | .00 | .00 | .95 | .00 | .00 |
| Physical Education | .25 | .28 | .38 | .81 | .00 | .58 | .55 | .00 |
| Student Union | .00 | .00 | .30 | .00 | 1.78 | .00 | .25 | .00 |
| Food Services | .00 | .00 | .33 | .65 | .00 | .00 | .00 | .42 |
| Health Services | .00 | .00 | .00 | .81 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .25 | .00 | .17 | .00, | .00 | .00 | .57 | .32 |
| Staging | .00 | .00 | .00 | .21 | .25 | .00 | .00 | .94 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

| Built-in Equipment Costs |
|---------------------------|
| Gross Square Foot |
| Ontario University System |

28

| | | | | | | 4000 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | |
| All Types | 1.47 | 1.00 | 1.21 | 2.26 | .50 | .76 | .72 | .84 |
| | 2.05 | 2.76 | 3.25 | 3.52 | 3.06 | .09 | 1.35 | .00 |
| Science | .00 | .24 | .00 | .81 | 2.16 | 1.58 | 1.48 | .00 |
| Engineering | | | | | .00 | .00 | .00 | .00 |
| Administration | .00. | .00 | .36 | .00 | | | | |
| Arts | 1.53 | .07 | .11 | .00 | 1.89 | .05 | .00 | .19 |
| Lecture Hall | .60 | .38 | .00 | .19 | .00 | .00 | .00 | .00 |
| | .00 | .00 | .00 | .00 | .06 | .00 | .01 | .13 |
| Library | | | | .00 | .28 | .00 | .00 | .00 |
| Law | .00 | .00 | .00 | | | | 00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | .30 | .00 | |
| Physical Education | .76 | .00 | .00 | 1.12 | .00 | .00 | .22 | .00 |
| | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Student Union | | | .00 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | to. | | | .00 | .00 |
| Health Services | .00, | .00 | .00 | .00 | .00 | .00 | | |
| Central Services & Maintenance | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 2.76 |
| Staging | ,00 | .00 | ,00 | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

New Buildings

Total Project Cost

Unassignable

| Architectural Costs |
|---------------------------|
| Gross Square Foot |
| Ontario University System |

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| | |

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 16.86 | 15.26 | 15.31 | 17.67 | 19.52 | 14.77 | 17.94 | 15.02 |
| Science | 16.18 | 13.68 | 13.80 | 18.21 | 16.78 | 16.74 | 17.52 | .00 |
| Engineering | 16.15 | 15.31 | .00 | 14.51 | 16.78 | 13.36 | 18.90 | 16.57 |
| Administration | .00 | .00 | 17.48 | 17.11 | .00 | .00 | 14.31 | 15.82 |
| Arts | 19.47 | 15.27 | 19.56 | 21.23 | 16.77 | 15.93 | 17.21 | 15.04 |
| Lecture Hall | 15.72 | 25.14 | .00 | 23.72 | 18.83 | .00 | .00 | .00 |
| Library | 12.34 | 15.18 | 14.76 | 16.85 | 21.40 | .00 | 15.19 | 15.14 |
| Law | .00 | .00 | .00 | .00 | 15,93 | .00 | .00 | .00 |
| Education | .00 | 20.98 | .00 | .00 | .00 | 18.09 | .00 | .00 |
| Physical Education | 11.85 | 14.02 | 15.78 | 14.80 | .00 | 11.76 | 20,90 | .00 |
| Student Union | .00 | .00 | 18.91 | .00 | 19.94 | .00 | 21.82 | .00 |
| Food Services | .00 | .00 | 13.66 | 15.70 | .00 | .00 | .00 | 7.64 |
| Health Services | .00 | .00 | .00 | 18.01 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 15.23 | .00 | 12.77 | .00 | .00 | .00 | 31.82 | 13.00 |
| Staging | .00 | .00 | .00 | 10.68 | 7.97 | .00 | .00 | 15.46 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Building Costs Gross Square Foot Ontario University System 30

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 18.19 | 16.72 | 16.94 | 20.91 | 21.92 | 17.19 | 19.54 | 17.09 |
| Science | 17.18 | 15.98 | 15.98 | 22.32 | 19.39 | 19.21 | 19.84 | .00 |
| Engineering | 16.53 | 17.39 | .00 | 16.83 | 23.13 | 16.57 | 21.20 | 17.74 |
| Administration | .00 | .00 | 18.79 | 18.11 | .00 | .00 | 16.36 | 16.33 |
| Arts | 21.30 | 16.34 | 20.43 | 21.91 | 19.89 | 17.77 | 17.50 | 17.08 |
| Lecture Hall | 16.35 | 26.59 | .00 | 24.64 | 19.27 | .00 | .00 | .00 |
| Library | 12.84 | 16.10 | 15.90 | 21.86 | 23.05 | .00 | 17.52 | 16.56 |
| Law | .00 | .00 | .00 | .00 | 17.34 | .00. | .00 | .00 |
| Education | .00 | 21.16 | .00 | .00 | .00 | 20.07 | .00 | .00 |
| Physical Education | 12.93 | 15.10 | 16.96 | 17.13 | .00 | 12.57 | 22.84 | .00 |
| Student Union | .00 | .00 | 20.07 | .00 | 23.68 | 37.99 | 22.08 | .00 |
| | .00 | .00 | 17.43 | 21.40 | .00 | .00 | .00 | 8.07 |
| Food Services | .00 | .00 | .00 | 19.40 | .00 | .00 | .00 | .00 |
| Health Services | | | 13.89 | .00 | .00 | .00 | 32.70 | 13.37 |
| Central Services & Maintenance | 21.91 | .00 | | | | | .00 | 19.87 |
| Staging | .00 | .00 | .00 | 13.43 | 8.22 | .00 | .00 | 10.07 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

31

Mechanical Costs Gross Square Foot Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|-------|------|------|------|------|------|
| All Types | 5.47 | 6.12 | 7.21 | 6.77 | 5.70 | 5.68 | 5.77 | 6.48 |
| Science | 5.54 | 7.35 | 7.51 | 8.56 | 8.12 | 5.93 | 8,50 | .00 |
| Engineering | 11.06 | 7.31 | .00 | 4.26 | 6.66 | 5.75 | 7.21 | 7.17 |
| Administration | .00 | .00 | 4.49 | 7.14 | .00 | .00 | 6.88 | 5.81 |
| Arts | 5.81 | 5.96 | 6.29 | 6.17 | 5.40 | 5.48 | 5.38 | 6.93 |
| Lecture Hall | 5.83 | 3.81 | .00 | 6.04 | 5.85 | .00 | .00 | ,00 |
| Library | 2.63 | 4.89 | 5.96 | 5.15 | 5.60 | .00 | 3.74 | 6.82 |
| Law | .00 | .00 | .00 | .00 | 4.63 | .00 | .00 | .00 |
| Education | .00 | 4.79 | .00 | .00 | .00 | 7.86 | .00 | .00 |
| Physical Education | 4.30 | 4.21 | 4.65 | 6.86 | .00 | 4.11 | 4.72 | .00 |
| Student Union | .00 | .00 | 5.26 | .00 | 6.69 | .00 | 6.51 | .00 |
| Food Services | .00 | .00 | 5.68 | 5.06 | ,00 | .00 | .00 | 6.65 |
| Health Services | .00 | .00 | .00 | 6.83 | ,00 | .00 | .00 | .00 |
| Central Services & Maintenance | 3.30 | .00 | 15.82 | .00 | .00 | .00 | 1.45 | 5.82 |
| Staging | .00 | .00 | .00 | 4.56 | 2.39 | .00 | .00 | 5.41 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Electrical Costs Gross Square Foot Ontario University System 32

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|------|------|------|------|------|------|
| | 3.18 | 2.67 | 3.48 | 3.28 | 3.08 | 2.82 | 3.43 | 2.91 |
| All Types | 3.18 | 3,58 | 3.62 | 3.95 | 3.21 | 3.18 | 4.32 | .00 |
| Science | 3.24 | 3.13 | .00 | 2,28 | 2.08 | 2.89 | 4.18 | 2.92 |
| Engineering | | .00 | 3.99 | 2.90 | .00 | .00 | 2.22 | 2.45 |
| Administration | .00 | | 2.73 | 3,66 | 3.34 | 2.52 | 2.88 | 2.84 |
| Arts | 2,24 | 2.16 | | | 1.99 | .00 | .00 | .00 |
| Lecture Hall | 17.83 | 3.20 | .00 | 4.12 | | .00 | 3.18 | 2.37 |
| Library | 1.73 | 1.87 | 2.67 | 2.85 | 3.50 | | ,00 | .00 |
| Law | .00 | .00 | .00 | .00 | 2.56 | .00 | | .00 |
| Education | .00 | 1.61 | .00 | .00 | .00 | 4.02 | ,00 | |
| Physical Education | 1.77 | 2.92 | 3.45 | 2.76 | .00 | 2.09 | 3.76 | .00 |
| Student Union | .00 | .00 | 3.34 | .00 | 2.51 | .00 | 3.53 | .00 |
| Food Services | .00 | .00 | 3.05 | 1.71 | .00 | .00 | .00 | 2.56 |
| Health Services | .00 | .00 | .00 | 4.23 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 1.49 | .00 | 5.86 | .00 | .00 | .00 | .73 | 2.33 |
| | .00 | .00 | .00 | 1.99 | 1.65 | .00 | .00 | 4.04 |
| Staging | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Federal Sales Tax Rebate Gross Square Foot Ontario University System 33

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 1.18 | 1.06 | 1.13 | 1.13 | 1.23 | .86 | .92 | .80 |
| Science | 1.18 | 1.13 | 1.09 | 1.34 | 1.32 | .88 | .96 | .00 |
| Engineering | 1.31 | 1.19 | .00 | .95 | 1.07 | .91 | 1.00 | .83 |
| Administration | .00 | .00 | 1.08 | 1.22 | .00 | .00 | .76 | .74 |
| Arts | 1.21 | 1.13 | 1.12 | 1.27 | 1.13 | .79 | .75 | .81 |
| Lecture Hall | 1.47 | 1.38 | .00 | 1.07 | .00 | .00 | .00 | .00 |
| Library | .75 | .69 | 1.10 | .93 | 1.30 | .00 | 1.05 | .77 |
| Law | .00 | .00 | .00 | 1.09 | .99 | .00 | .00 | ,00 |
| Education | .00 | 1.21 | .00 | .00 | ,00 | 1.00 | .00 | .00 |
| Physical Education | .00 | .98 | 1.02 | 1.13 | .00 | .80 | .96 | .00 |
| Student Union | .00 | .00 | 1.15 | .00 | 1.39 | .38 | 1.00 | .00 |
| Food Services | .00 | .00 | 1.09 | 1.13 | .00 | .00 | .00 | .56 |
| Health Services | .00 | .00 | .00 | 1.24 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .85 | .94 | 1.93 | .00 | .00 | .00 | 1.06 | .65 |
| Staging | .00 | .00 | .00 | .63 | .52 | .00 | .00 | .88. |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Construction Costs Gross Square Foot Ontario University System 34

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 26.20 | 25.12 | 27.09 | 27.27 | 29.68 | 25.97 | 28.43 | 25.95 |
| Science | 24.97 | 26.61 | 26.91 | 33.41 | 31,95 | 29.83 | 32.67 | .00 |
| Engineering | 30.34 | 27.46 | .00 | 22.73 | 31.39 | 25.22 | 32.20 | 28.01 |
| Administration | 23.52 | .00 | 26.36 | 29.17 | .00 | .00 | 24.70 | 24.01 |
| Arts | 29,42 | 24.02 | 26.87 | 30.46 | 28.38 | 27.04 | 25,04 | 26.30 |
| Lecture Hall | 35.54 | 33.18 | .00 | 36.13 | 27.10 | .00 | .00 | .00 |
| Library | 18.62 | 22.21 | 24.00 | 26.56 | 30.25 | .00 | 24.33 | 25.01 |
| Law | .00 | .00 | .00 | 1.09 | 23.64 | .00 | .00 | .00 |
| Education | .00 | 26.37 | .00 | .00 | .00 | 32.32 | .00 | .00 |
| Physical Education | 19.67 | 21.24 | 24.37 | 25.91 | ,00 | 18.49 | 31.20 | .00 |
| Student Union | .00 | 34,50 | 27.90 | .00 | 34.51 | 37.61 | 32.24 | .00 |
| | .00 | .00 | 26.06 | 27.19 | .00 | .00 | ,00 | 18.62 |
| Food Services | .00 | .00 | .00 | 32.46 | .00 | .00 | .00 | .00 |
| Health Services | 26.41 | 23.52 | 38.89 | 49.14 | .00 | .00 | 34.33 | 20.87 |
| Central Services & Maintenance | | .00 | ,00 | 20.02 | 12.93 | .00 | .00 | 28.53 |
| Staging | .00. | .00 | .00 | 23.02 | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Fees Gross Square Foot Ontario University System

35

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 1.89 | 1.66 | 1.79 | 2.04 | 2.56 | 1.81 | 2.16 | 2.26 |
| Science | 2.23 | 1.78 | 1.78 | 2.69 | 2.28 | 2.10 | 2.60 | .00 |
| Engineering | 2.05 | 1.80 | .00 | 1.42 | 2.05 | 1.84 | 2.72 | 1.96 |
| Administration | 1.45 | .00 | 1.67 | 1.82 | .00 | .00 | 1.61 | 1.68 |
| Arts | 1.75 | 1.62 | 1.65 | 1.90 | 1.87 | 1.90 | 1.77 | 2.52 |
| Lecture Hall | 2.21 | 2.07 | .00 | 2.35 | 1.68 | .00 | .00 | .00 |
| Library | 1.11 | 1.44 | 1.86 | 1.81 | 2.99 | .00 | 1.86 | 2.49 |
| Law | .00 | .00 | .00 | 1.63 | 1.66 | .00 | .00 | .00 |
| Education | .00 | 1.70 | .00 | .00 | .00 | 2.13 | .00 | .00 |
| Physical Education | 1.14 | 1.42 | 1.52 | 1,65 | .00 | 1.35 | 2.33 | .00 |
| Student Union | .00 | .00 | 1.73 | .00 | 2.21 | .00 | 2.51 | .00 |
| Food Services | .00 | .00 | 1.63 | 1.70 | .00 | .00 | .00 | 1.02 |
| Health Services | .00 | .00 | .00 | 1.87 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 1.23 | 1.41 | 2.47 | .00 | .00 | .00 | 2.05 | 1.46 |
| Staging | .00, | .00 | .00 | .48 | .52 | .00 | .00, | 2.15 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Miscellaneous Costs Gross Square Foot Ontario University System 36

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | .41 | .46 | .65 | 1,21 | .66 | .81 | .75 | .73 |
| Science | .53 | .69 | .51 | 1.30 | .87 | .54 | .98 | .00 |
| Engineering | 1.19 | .24 | .00 | .71 | .46 | .63 | .97 | .84 |
| Administration | .16 | .00 | .04 | .91 | .00 | .00 | .74 | .72 |
| Arts | .35 | .21 | 1.01 | .33 | .79 | .81 | .74 | .88 |
| Lecture Hall | .07 | 1.04 | .00 | .00 | 1.18 | .00 | .00 | .00 |
| Library | .00 | .00 | .41 | 2,28 | .60 | .00 | .57 | .00 |
| Law | .00 | .00 | .00 | .82 | .71 | .00 | .00 | .00 |
| Education | .00 | .97 | .00 | .00 | .00 | 1.41 | .00 | .00 |
| Physical Education | .17 | .30 | .76 | .18 | .00 | .62 | .56 | .00 |
| Student Union | .00 | .00 | .86 | .00 | 1.05 | .00 | .71 | .00 |
| Food Services | ,00 | .00 | .81 | .85 | .00 | .00 | .00 | .51 |
| | .00 | .00 | .00 | .93 | .00 | .00 | ,00 | .00 |
| Health Services | | .71 | 1.32 | .00 | .00 | .00 | .00 | .63 |
| Central Services & Maintenance | .40 | | .00 | 3.23 | .52 | ,00 | .00 | .56 |
| Staging | .00 | .00 | .00 | 0,20 | .04 | ,,,, | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| Fees & Contingency Costs |
|---------------------------|
| Gross Square Foot |
| Ontario University System |

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| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|------|------|------|------|------|------|
| All Types | 2.23 | 2.06 | 2.42 | 3.20 | 3.23 | 2.62 | 2.89 | 2.72 |
| Science | 2.62 | 2.48 | 2.30 | 3.82 | 3.04 | 2.64 | 3,58 | .00 |
| Engineering | 3.24 | 2.05 | .00 | 2.13 | 2.51 | 2.47 | 3.69 | 2.80 |
| Administration | 1.61 | .00 | 1.71 | 2.73 | .00 | .00 | 2,35 | 2.40 |
| Arts | 2.11 | 1.83 | 2.47 | 2.23 | 2.66 | 2.71 | 2.50 | 3.08 |
| Lecture Hall | 2.25 | 3.11 | .00 | 2.35 | 2.86 | .00 | .00 | .00 |
| Library | 1.44 | 1.44 | 2.26 | 4.09 | 3.59 | .00 | 2.43 | 2.49 |
| Law | .00 | .00 | .00 | 2.45 | 2.36 | .00 | .00 | .00 |
| Education | .00 | 2.67 | .00 | .00 | 00 | 3.53 | .00. | .00 |
| Physical Education | 1.31 | 1.73 | 2.28 | 1.93 | .00 | 1.97 | 2.89 | .00 |
| Student Union | .00. | 2.13 | 2.59 | .00 | 3.26 | .00 | 3.22 | .00 |
| Food Services | .00 | .00 | 2.44 | 2.55 | .00 | .00 | .00 | 1.52 |
| Health Services | .00 | .00 | .00 | 2.80 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 1.63 | 2.12 | 3.79 | 4.13 | .00 | .00 | 2.05 | 2.09 |
| Staging | .00. | .00 | .00 | 3.71 | 1.05 | .00 | .00 | 2.71 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| Furniture Costs | | | | | | |
|---------------------------|--|--|--|--|--|--|
| Gross Square Foot | | | | | | |
| Ontario University System | | | | | | |

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|------|------|------|------|------|------|
| All Types | 2.34 | 2.18 | 2.51 | 2.36 | 2.65 | 2.62 | 2.40 | 2.19 |
| Science | 2.48 | 2.06 | 2.05 | .97 | .87 | 1.92 | 1.70 | .00 |
| Engineering | 2.77 | 1.62 | .00 | .84 | 1.22 | 3.86 | 1.52 | 1.32 |
| Administration | 1.92 | .00 | 2,85 | 2.78 | .00 | .00 | 3.49 | 1.80 |
| | 1.52 | 2.50 | 2.19 | 2.60 | 1.88 | 3.55 | 2.72 | 2.56 |
| Arts | 1.92 | ,00 | .00 | 3.59 | 2.63 | .00 | .00 | .00 |
| Lecture Hall | 12.66 | 3.24 | 4.57 | 2.03 | 2.96 | .00 | 3.71 | 2.85 |
| Library | | .00 | .00 | 3.73 | 3.52 | .00 | .00 | .00 |
| Law | .00 | | .00 | .00 | .00 | 2.38 | .00 | .00 |
| Education | .00 | 1.06 | | 3.11 | .00 | .35 | .80 | .00 |
| Physical Education | .42 | .82 | .00 | | | | 3.85 | .00 |
| Student Union | .00 | .00 | 2.35 | .00 | 2.82 | 4,48 | | |
| Food Services | .00 | .00 | 3.06 | 5.10 | .00 | .00 | .00 | .60 |
| Health Services | .00 | .00 | .00 | 2.01 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .24 | .44 | .63 | .00 | .00 | .00 | .00 | 1.21 |
| Staging | .00 | .00 | .00 | .47 | 3.07 | .00 | .00 | 1.52 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Equipment Costs Gross Square Foot Ontario University System

39

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|------|------|-------|-------|------|------|------|------|
| All Types | 3.08 | 2.75 | 2.77 | 5.72 | 2.13 | 2.38 | 2.72 | 1.30 |
| Science | 3.73 | 5.34 | 3.10 | 9.60 | 3.74 | 3.27 | 3.35 | .00 |
| Engineering | .00 | 3.03 | .00 | 5.19 | 5.66 | .00 | 3.51 | 3.19 |
| Administration | .00 | .00 | .00 | .00 | .00 | .00 | 2.01 | .00 |
| Arts | 2.92 | 1.18 | 3.48 | 1.47 | 4.80 | 2.20 | 1.38 | 1.50 |
| Lecture Hall | 2.01 | .00 | .00 | 2.99 | 5.06 | .00 | .00 | .00 |
| Library | 1.67 | 1.50 | .24 | 1.04 | .95 | .00 | 5.61 | .34 |
| Law | .00 | .00 | .00 | 5.13 | .00 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | 4.33 | .00 | .00 |
| Physical Education | 1.65 | 1.59 | .00 | 1.45 | .00 | 1.04 | .28 | .00 |
| Student Union | .00 | .00 | .00 | .00 | 1.43 | .44 | .81 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 6.70 |
| Health Services | .00 | .00 | .00 | 1.01 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 1.25 | 3.24 | 10.11 | .00 | .00 | .00 | .00 | .88 |
| Staging | .00 | .00 | .00 | 17.29 | 2.79 | .00 | .00 | .60 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Equipment & Furniture Costs Gross Square Foot Ontario University System 40

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|------|------|-------|------|------|------|------|
| All Types | 5.28 | 4.69 | 4.52 | 7.05 | 4.66 | 4.43 | 5.11 | 3.35 |
| Science | 6.18 | 7.41 | 5.10 | 9.30 | 4.13 | 5.18 | 5.05 | .00 |
| Engineering | 2.77 | 4.65 | .00 | 6.03 | 6.88 | 3.86 | 5.03 | 4.52 |
| Administration | 1.92 | .00 | 2.85 | 2.78 | .00 | .00 | 5.50 | 1.80 |
| Arts | 4.44 | 3.68 | 5.68 | 4.07 | 6,68 | 5.75 | 4.10 | 4.06 |
| Lecture Hall | 3.93 | 2.30 | .00 | 6.59 | 7.69 | .00 | .00 | .00 |
| Library | 11.14 | 4.74 | 4.82 | 2.70 | 3.91 | .00 | 9.32 | 3.19 |
| Law | .00 | .00 | .00 | 8.86 | 3.52 | .00 | .00 | .00 |
| | .00 | 1.06 | .00 | .00 | .00 | 6.71 | .00 | .00 |
| Education Physical Education | 2.07 | 2.41 | 1.84 | 4.56 | .00 | 1.39 | 1.08 | .00 |
| | .00 | 1.11 | 2.35 | ,00 | 3.74 | 4.92 | 4.66 | .00 |
| Student Union | .00 | ,00 | 3.06 | 5.10 | .00 | .00 | .00 | 7,30 |
| Food Services | .00 | .00 | .00 | 3.02 | .00 | .00 | .00 | .00 |
| Health Services | | 3.67 | 3.33 | 10.34 | .00 | .00 | .00 | 2.09 |
| Central Services & Maintenance | 1.48 | ,00 | .00 | 8.84 | 5.86 | .00 | .00 | 2.11 |
| Staging | .00 | ,00 | .00 | 0.01 | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Mechanical & Electrical Costs Gross Square Foot Ontario University System

41

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 8.56 | 8.80 | 10.69 | 10.05 | 8.78 | 8.50 | 9.20 | 9.39 |
| Science | 8.72 | 10.93 | 11.13 | 12.51 | 11.33 | 9.11 | 12.82 | .00 |
| Engineering | 14.30 | 10.44 | .00 | 6.55 | 8.74 | 8.64 | 11.40 | 10.09 |
| Administration | .00 | .00 | 8.47 | 10.04 | .00 | .00 | 9,10 | 8.26 |
| Arts | 8.05 | 8.12 | 9.02 | 9.83 | 8.74 | 8.00 | 8.26 | 9.78 |
| Lecture Hall | 20.66 | 7.01 | .00 | 10.16 | 7.84 | .00 | .00 | .00 |
| Library | 4.36 | 6.76 | 8.62 | 7.99 | 9.11 | .00 | 6.92 | 9.19 |
| Law | .00 | .00 | .00 | .00 | 7.19 | .00 | .00 | .00 |
| Education | .00 | 6.39 | .00 | .00 | .00 | 11.88 | .00 | .00 |
| Physical Education | 6.07 | 7.13 | 8.10 | 9.62 | .00 | 6.20 | 8.48 | .00 |
| Student Union | .00 | .00 | 8.60 | .00 | 9.20 | .00 | 10.05 | .00 |
| Food Services | .00 | .00 | 8.73 | 6.77 | .00 | .00 | .00 | 9.21 |
| Health Services | .00 | .00 | .00 | 11.05 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 4.80 | .00 | 21.68 | .00 | .00 | .00 | 2.18 | 8.15 |
| Staging | .00 | .00 | .00 | 6.55 | 4.04 | .00 | . ,00 | 9.45 |
| | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Total Project Costs Gross Square Foot Ontario University System 42

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| All Types | 33.71 | 31.87 | 34.03 | 40.28 | 37.57 | 32.97 | 36.34 | 32.01 |
| Science | 33.76 | 36.50 | 34.31 | 46.54 | 39.13 | 37.65 | 41.31 | .00 |
| Engineering | 36.34 | 34.16 | .00 | 30.89 | 40.79 | 31.55 | 40.92 | 35.33 |
| Administration | 27.05 | .00 | 30.92 | 34.68 | .00 | .00 | 32.54 | 28.21 |
| Arts | 35.96 | 29.53 | 35.01 | 36.77 | 37.72 | 35.49 | 31.65 | 33.45 |
| Lecture Hall | 41.73 | 38.58 | .00 | 45.06 | 37.66 | .00 | .00 | .00 |
| Library | 31.20 | 28.39 | 31.08 | 33.36 | 37.75 | .00 | 36.08 | 30.69 |
| Law | .00 | .00 | .00 | 37.44 | 29.53 | .00 | .00 | .00 |
| Education | .00 | 30.11 | .00 | .00 | .00 | 42.56 | .00 | .00 |
| Physical Education | 23.04 | 25.38 | 28.49 | 31.58 | .00 | 21.85 | 35.17 | .00 |
| Student Union | .00 | 37.75 | 32.84 | .00 | 41.52 | 42.53 | 40.13 | .00 |
| Food Services | .00 | .00 | 31.57 | 34.85 | .00 | .00 | .00 | 27.44 |
| Health Services | .00 | .00 | .00 | 38.28 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | 29.52 | 29.31 | 46.00 | 63.60 | .00 | .00 | 36.39 | 25.05 |
| Staging | .00 | .00 | .00 | 30.65 | 19.84 | .00 | .00 | 33.35 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Site Development Costs (Excluded From General Contract) As A % of Construction Cost Ontario University System

43

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1960 | 1971 | 1004 51 |
|--------------------------------|-------|------|-------|------|------|------|------|------|---------|
| | 1001 | 1300 | 1300 | 1307 | 1900 | 1909 | 1960 | 1971 | 1964-71 |
| All Types | 5.92 | 1.44 | 2,35 | 3.58 | .60 | 1.50 | .76 | .62 | 2.48 |
| Science | 2.19 | 1.14 | .44 | 4.57 | 1.89 | 4.20 | .13 | .00 | 2.04 |
| Engineering | 1.72 | 2.96 | .00 | .00 | .42 | 1,55 | .00 | .00 | 1.34 |
| Administration | .00 | .00 | .68 | .00 | .00 | .00 | .00 | .00 | .68 |
| Arts | 11.00 | 1.36 | .00 | .00 | 2.17 | 1.48 | .00 | .00 | 6.44 |
| Lecture Hall | .00 | .00 | .00 | 4.66 | .00 | .00 | .00 | .00 | 4.66 |
| Library | .00 | .00 | .27 | .57 | .33 | .00 | 1.75 | .00 | .52 |
| Law | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Education | .00 | .10 | .00 | .00 | .00 | .00 | .00 | .00 | .10 |
| Physical Education | 3.39 | .00 | .00 | .18 | .00 | .33 | .47 | .00 | .86 |
| Student Union | .00 | .00 | 1.02 | .00 | .00 | .00 | .00 | .00 | 1.02 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .62 | .62 |
| Health Services | .00 | .00 | .00 | 7.96 | .00 | .00 | .00 | .00 | 7.96 |
| Central Services & Maintenance | .00 | .00 | 12.39 | .00 | .00 | .00 | .00 | .00 | 12.39 |
| Staging | .00 | ,00 | .00 | 2.88 | 7.71 | .00 | .00 | .00 | 5.28 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs (Included in General Conctract) As a % of Construction Cost Ontario University System 44

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 1.40 | 1.13 | 2.21 | 3.33 | 1.36 | 3.54 | 1.55 | 1.05 | 1.95 |
| Science | 1.16 | .00 | 3.25 | 3.86 | 7.14 | 3.15 | 1.55 | .00 | 2.60 |
| Engineering | .99 | .08 | .00 | 1.32 | 1.45 | 2.08 | 1.85 | 3.62 | 1.74 |
| Administration | .00 | .00 | ,00 | 7.66 | .00 | .00 | .00 | .71 | 3.98 |
| Arts | 3.21 | 2.03 | 1.12 | ,00 | .76 | 5.33 | .18 | 1.14 | 1.87 |
| Lecture Hall | .00 | 2.61 | .00 | 1.98 | ,00 | .00 | .00 | .00 | 2.12 |
| Library | .00 | .13 | 2.14 | 2.51 | .71 | .00 | 2.14 | .13 | .97 |
| Law | .00 | .00 | .00 | .00 | .42 | .00 | .00 | .00 | .42 |
| Education | .00 | .00 | .00 | .00 | .00 | 4.23 | .00 | .00 | 4.23 |
| Physical Education | .00 | .00 | 1.35 | 3.51 | .00 | 1.63 | 2.23 | .00 | 2.06 |
| Student Union | .00 | .00 | .34 | .00 | 5.67 | .00 | 3.46 | .00 | 4.22 |
| Food Services | .00 | .00 | 3.76 | .57 | .00 | .00 | .00 | 9.62 | 3.15 |
| Health Services | .00 | .00 | .00 | 2.07 | .00 | .00 | .00 | .00 | 2.07 |
| Central Services & Maintenance | 2.07 | .00 | 1.37 | .00 | .00 | .00 | 1.48 | .00 | 1.45 |
| Staging | .00 | .00 | .00 | 2.50 | 2.32 | .00 | .00 | .32 | .67 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Alteration & Renovation Costs As a % of Construction Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | .76 | .28 | .00 | .30 | 4.15 | 1.03 | .00 | .00 | 1,11 |
| Science | .00 | .00 | .00 | .30 | .34 | .65 | .00 | .00 | .38 |
| Engineering | .00 | .00 | ,00 | .00 | .00 | .00 | .00 | ,00 | .00 |
| Administration | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Arts | .76 | .00 | .00 | .00 | .00 | 1.45 | .00 | .00 | .88 |
| Lecture Hall | .00 | .28 | .00 | .00 | ,00 | .00 | .00 | .00 | .28 |
| Library | .00 | .00 | ,00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| Law | .00 | ,00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Physical Education | .00 | .00 | .00 | .00 | ,00 | .89 | .00 | .00 | .89 |
| Student Union | .00 | .00 | .00 | .00 | 4.66 | .00 | .00 | .00 | 4.66 |
| Food Services | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | ,00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs as a As a % of Construction Cost Ontario University System 46

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|------|-------|-------|------|------|------|-------|---------|
| All Types | 6.46 | 1.66 | 3.46 | 5.87 | 1.99 | 4.79 | 1.96 | 1.06 | 3.37 |
| Science | 3.16 | 1.14 | 3.54 | 7.41 | 8.02 | 8.00 | 1.69 | .00 | 4.00 |
| Engineering | 2.71 | 2.99 | .00 | 1.32 | 1.88 | 3.63 | 1.85 | 3.62 | 2.55 |
| Administration | .00 | .00 | .68 | 7.66 | .00 | .00 | .00 | .71 | 3.26 |
| Arts | 10.68 | 2.37 | 1.12 | .00 | 1.40 | 6.47 | .18 | 1.14 | 4.41 |
| Lecture Hall | .00 | 2.90 | .00 | 6.64 | .00 | .00 | .00 | .00 | 5.81 |
| Library | .00 | .13 | 2.41 | 3.08 | .98 | .00 | 3.90 | .13 | 1.35 |
| Law | .00 | .00 | .00 | .00 | .42 | .00 | .00 | .00 | .42 |
| Education | .00 | .10 | .00 | .00 | .00 | 4.23 | .00 | .00 | 3.22 |
| Physical Education | 3.39 | .00 | 1.35 | 3.69 | .00 | 2.85 | 2.70 | .00 | 2.70 |
| Student Union | .00 | .00 | 1.35 | .00 | 8.76 | .00 | 3.46 | .00 | 6.31 |
| Food Services | .00 | .00 | 3.76 | .57 | .00 | .00 | .00 | 10.24 | 3.25 |
| Health Services | .00 | .00 | .00 | 10.02 | .00 | .00 | .00 | .00 | 10.02 |
| Central Services & Maintenance | 2.07 | .00 | 11.45 | .00 | .00 | .00 | 1.48 | .00 | 9.06 |
| Staging | .00 | .00 | .00 | 5.38 | 9.14 | .00 | .00 | .32 | 1.68 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: Oct. 71

Building Equipment Costs As A % of Construction Cost Ontario University System 47

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|------|-------|-------|-------|------|------|------|---------|
| All Types | 1.71 | 2.10 | 2.82 | 4.41 | 2.79 | 2.65 | 1.58 | 4.27 | 2.65 |
| Science | 1.66 | 1.49 | 1.24 | 1.85 | 3.30 | 5.22 | .42 | .00 | 1.51 |
| Engineering | .00 | 2.00 | .00 | .00 | 11.24 | .00 | .36 | .00 | 6.30 |
| Administration | .00 | .00 | 1.73 | .00 | .00 | .00 | 7.35 | .00 | 4.16 |
| Arts | 1.31 | 2.54 | 3.34 | .00 | 3.82 | 2.37 | .00 | 6.49 | 2.93 |
| Lecture Hall | .53 | .00 | .00 | .49 | .00 | .00 | .00 | .00 | .50 |
| Library | 1.73 | 1.75 | 3.59 | .00 | .56 | .00 | 1.13 | 2.89 | 1.27 |
| Law | .00 | .00 | .00 | .00 | 1.99 | .00 | .00 | .00 | 1.99 |
| Education | .00 | .00 | .00 | .00 | .00 | 3.71 | .00 | .00 | 3.71 |
| Physical Education | .38 | 3.77 | 3,25 | 3.27 | .00 | 1.22 | 3.74 | .00 | 2.65 |
| Student Union | .00 | .00 | 3.07 | .00 | 5.69 | .00 | .00 | .00 | 5.07 |
| Food Services | .00 | .00 | 13.23 | 18.56 | .00 | .00. | .00 | .00 | 16.42 |
| Health Services | .00 | .00 | .00 | 1.79 | .00 | .00 | .00 | .00 | 1.79 |
| Central Services & Maintenance | 24.37 | .00 | 6.03 | .00 | .00. | .00 | .92 | .25 | 7.22 |
| Staging | .00 | .00 | .00 | 12.71 | .00 | .00 | .00 | 2.72 | 4.39 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Cash Allowance Costs
As A % of Construction Cost
Ontario University System

48

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|-------|------|------|------|------|------|------|--------------|
| All Types | 1.08 | 2.26 | 1.45 | 2.32 | 4.00 | 4.24 | 2.89 | 2.38 | 2. 59 |
| Science | 1,15 | 1.47 | 1.79 | 2.54 | .42 | 2.76 | 2,55 | .00 | 1.77 |
| Engineering | 1.23 | 12.05 | .00 | 6.69 | 2.13 | 6.49 | 2.20 | 4.20 | 4.28 |
| Administration | .00 | .00 | 1.89 | 3.41 | .00 | .00 | .95 | 2.12 | 2.31 |
| Arts | .99 | 1.66 | .00 | 2.20 | 4.33 | 4.36 | 1.12 | 1.74 | 1.95 |
| Lecture Hall | .87 | 3.21 | .00 | 1.54 | 1.61 | .00 | .00 | .00 | 1.67 |
| Library | 1.32 | 2.43 | 1.13 | 1.08 | 4.54 | .00 | 8.40 | 2.26 | 3.88 |
| Law | .00 | .00 | .00 | .00 | 2.76 | .00 | .00 | .00 | 2.76 |
| Education | .00 | .70 | .00 | .00 | .00 | 2,95 | .00 | .00 | 2.39 |
| Physical Education | 1.25 | 1.32 | 1.56 | 3.07 | .00 | 3.14 | 1.77 | .00 | 2.11 |
| Student Union | .00 | .00 | 1.09 | .00 | 5.17 | .00 | .79 | .00 | 3.54 |
| Food Services | .00 | .00 | 1.27 | 2.39 | .00 | .00 | .00 | 2.27 | 2.00 |
| Health Services | .00 | .00 | .00 | 2.49 | .00 | .00 | .00 | .00 | 2.49 |
| Central Services & Maintenance | .93 | .00 | .43 | .00 | .00 | .00 | 1.65 | 1.52 | .71 |
| Staging | .00 | .00 | .00 | 1.05 | 1.92 | .00 | .00 | 3.28 | 2.82 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

49

Built-in Equipment Costs As A % of Construction Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|-------|------|------|------|------|------|------|---------|
| All Types | 4.97 | 3.95 | 4.08 | 6.54 | 1.63 | 2.70 | 2.42 | 3.15 | 3.37 |
| Science | 9.53 | 10.20 | 9.10 | 9.56 | 8.67 | .30 | 4.14 | ,00 | 8.20 |
| Engineering | .00 | .75 | .00 | 3.54 | 6.87 | 6.25 | 4.60 | .00 | 5.53 |
| Administration | .00 | .00 | 1.35 | .00 | .00 | .00 | .00 | .00 | 1.35 |
| Arts | 4.40 | .33 | .37 | .00 | 6.28 | .21 | .00 | .72 | 2.13 |
| Lecture Hall | 2.51 | 1.14 | .00 | .52 | .00 | ,00 | .00 | .00 | .88 |
| Library | .00 | .00 | .01 | .00 | .19 | .00 | .03 | .51 | .20 |
| Law | .00 | .00 | .00 | .00 | 1.20 | .00 | .00 | .00 | 1.20 |
| Education | .00 | .00 | .00 | .00 | .00 | .93 | .00 | .00 | .93 |
| Physical Education | 3.86 | .00 | .00 | 3.85 | .00 | .00 | .70 | .00 | 2.16 |
| Student Union | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 9.59 | 9.59 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Architectural Costs
As A % of Construction Cost
Ontario University System

50

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 62.09 | 60.95 | 56.60 | 57.21 | 64.74 | 57.41 | 63.10 | 57.89 | 60.52 |
| Science | 63.62 | 51.40 | 51.50 | 50.14 | 52.52 | 56.13 | 53.62 | .00 | 54.99 |
| Engineering | 53.25 | 55.74 | .00 | 63.82 | 53.44 | 52.97 | 58.68 | 59.14 | 55.47 |
| Administration | .00 | .00 | 66.32 | 58.68 | .00 | .00 | 57.95 | 65.87 | 62.56 |
| Arts | 62.26 | 63.58 | 72,80 | 69.70 | 59.08 | 58.91 | 68.73 | 57.16 | 63.14 |
| Lecture Hall | 44.22 | 75.79 | .00 | 65.64 | 69.48 | .00 | .00 | .00 | 63.41 |
| Library | 75.02 | 68.34 | 61.51 | 67.12 | 68.67 | .00 | 62.43 | 60.54 | 66.60 |
| Law | .00 | .00 | .00 | .00 | 67.37 | .00 | .00 | .00 | 67.37 |
| Education | .00 | 79.53 | .00 | .00 | .00 | 55.97 | .00 | .00 | 61.76 |
| Physical Education | 60.24 | 65.99 | 64.77 | 56.06 | .00 | 63.60 | 66.99 | .00 | 63.48 |
| Student Union | .00 | .00 | 67.77 | .00 | 57.77 | .00 | 67.68 | .00 | 61.61 |
| Food Services | .00 | .00 | 52,41 | 57.74 | .00 | .00 | .00 | 41.05 | 53.17 |
| Health Services | .00 | .00 | .00 | 55.47 | .00 | .00 | .00 | .00 | 55.47 |
| Central Services & Maintenance | 57.69 | .00 | 32.85 | .00 | .00 | .00 | 92.69 | 62.29 | 45.12 |
| Staging | .00 | .00 | .00 | 53.34 | 61.68 | .00 | .00 | 54,20 | 54.75 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Building Costs As A % of Construction Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|--------|-------|-------|---------|
| All Types | 66.99 | 66.82 | 62.63 | 67.91 | 72.69 | 66.21 | 68.74 | 65.89 | 67.60 |
| Science | 67.55 | 60.05 | 59.62 | 61.45 | 60.67 | 64.42 | 60.74 | .00 | 62.51 |
| Engineering | 54.48 | 63.32 | .00 | 74.05 | 73.69 | 65.71 | 65.84 | 63.34 | 67.65 |
| Administration | .00 | .00 | 71.28 | 62.09 | .00 | .00. | 66.25 | 67.99 | 66,50 |
| Arts | 68.11 | 68.02 | 76.02 | 71.91 | 70.09 | 65.71 | 69.86 | 64.95 | 68.62 |
| Lecture Hall | 46.00 | 80.14 | .00 | 68.19 | 71.08 | .00. | .00, | .00 | 65.77 |
| Library | 78.07 | 72.52 | 66.24 | 82.31 | 73.96 | .00 | 71.99 | 66.21 | 72,96 |
| Law | .00 | .00. | .00 | .00 | 73.32 | .00. | .00 | .00 | 73.32 |
| Education | .00 | 80.23 | .00 | .00 | .00 | 62.10 | .00 | .00 | 66.56 |
| Physical Education | 65.73 | 71.08 | 69.58 | 64.89 | .00 | 67.97 | 73.20 | .00 | 69.24 |
| Student Union | .00 | .00 | 71.93 | .00 | 68.63 | 101.01 | 68.48 | .00 | 71.86 |
| Food Services | .00 | .00 | 66.90 | 78.69 | .00 | .00 | .00 | 43.32 | 68.84 |
| Health Services | .00 | .00, | .00 | 59.76 | .00 | .00 | .00 | .00 | 59.76 |
| Central Services & Maintenance | 82.99 | .00. | 35.71 | .00 | .00 | .00 | 95.26 | 64.06 | 49.98 |
| Staging | .00 | .00 | .00 | 67.10 | 63.60 | .00 | .00 | 69.64 | 68.71 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Mechanical Costs
As A % of Construction Cost
Ontario University System

52

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 20.11 | 24.47 | 26.37 | 21.90 | 18.90 | 22.08 | 20,28 | 24.98 | 22.08 |
| Science | 21.79 | 27.61 | 28.02 | 23.56 | 25.42 | 19.88 | 26.01 | .00 | 24.95 |
| Engineering | 36.47 | 26.62 | .00 | 18.75 | 21.22 | 22.82 | 22.40 | 25.59 | 23.17 |
| Administration | .00 | .00 | 17.01 | 24.47 | .00 | .00 | 27.85 | 24.19 | 23.45 |
| Arts | 18.60 | 24.83 | 21.74 | 20.24 | 19.04 | 20.26 | 21.47 | 26.36 | 21.69 |
| Lecture Hall | 12.21 | 11.48 | ,00 | 16.71 | 21.57 | .00 | .00 | .00 | 16.77 |
| Library | 16.01 | 22.01 | 24.83 | 20.49 | 17.98 | .00 | 15.38 | 27.28 | 19.68 |
| Law | .00 | .00 | .00 | .00 | 19.60 | .00 | .00 | .00 | 19.60 |
| Education | ,00 | 18.15 | .00 | .00 | .00 | 24.31 | .00 | .00 | 22.79 |
| Physical Education | 21.87 | 19.82 | 19.08 | 25.97 | .00 | 22.20 | 15.12 | .00 | 20.06 |
| Student Union | .00 | ,00 | 18.84 | .00 | 19.38 | ,00 | 20.19 | .00 | 19.43 |
| Food Services | .00 | ,00 | 21.81 | 18.62 | .00 | .00 | .00 | 35.71 | 22.54 |
| | .00 | .00 | .00 | 21.03 | .00 | .00 | .00 | .00 | 21.03 |
| Health Services | | .00 | 40.68 | .00 | .00 | .00 | 4.24 | 27.88 | 32.29 |
| Central Services & Maintenance | 12.52 | | .00 | 22.79 | 18.45 | .00 | .00 | 18.96 | 19.49 |
| Staging | .00 | .00 | .00 | 22,10 | 20.20 | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

53

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 11.73 | 10.67 | 12.72 | 10.62 | 10.20 | 10.96 | 12.07 | 11.22 | 11.25 |
| Science | 12.51 | 13.47 | 13.52 | 10.88 | 10.03 | 10.67 | 13.22 | .00 | 12.60 |
| Engineering | 10.68 | 11.39 | .00. | 10.04 | 6.61 | 11.44 | 12.99 | 10.43 | 10.16 |
| Administration | .00 | .00 | 15.13 | 9.96 | .00 | .00 | 8.99 | 10.21 | 10.88 |
| Arts | 7.15 | 8.98 | 9.41 | 12.02 | 11.75 | 9.32 | 11.49 | 10.80 | 9.42 |
| Lecture Hall | 50.18 | 9.65 | .00 | 11.41 | 7.35 | .00. | .00 | .00 | 18.15 |
| Library | 10.50 | 8.43 | 11.11 | 11.34 | 11.24 | .00 | 13.06 | 9.48 | 11.02 |
| Law | .00 | .00. | .00 | .00 | 10.82 | .00. | .00 | .00. | 10.82 |
| Education | .00 | 6.09 | .00 | .00 | .00 | 12.45 | .00. | .00 | 10.88 |
| Physical Education | 9.01 | 13.72 | 14.15 | 10.46 | .00 | 11.32 | 12.06 | .00. | 11.83 |
| Student Union | .00 | .00. | 11.98 | .00 | 7.27 | .00. | 10.96 | .00 | 8.89 |
| Food Services | .00 | .00 | 11.70 | 6.29 | .00 | .00 | .00 | 13.77 | 9.34 |
| Health Services | .00 | .00 | .00 | 13.02 | .00 | .00 | .00 | .00 | 13.02 |
| Central Services & Maintenance | 5.65 | .00 | 15.08 | .00 | .00 | .00 | 2.12 | 11.16 | 12.19 |
| Staging | .00 | .00 | .00 | 9.93 | 12.80 | .00 | .00 | 14.16 | 13.40 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Federal Sales Tax Rebate As A % of Construction Cost Ontario University System 54

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|--------|------|------|------|------|---------|
| All Types | 4.19 | 4.27 | 4.15 | 4.29 | 4.04 | 3.33 | 3.30 | 3.07 | 3,89 |
| Science | 4.62 | 4.34 | 4.08 | 3.68 | 4.14 | 2.96 | 3.09 | .00 | 4.11 |
| Engineering | 4.33 | 4.32 | .00 | 4.17 | 3.40 | 3.59 | 3.09 | 2.98 | 3.53 |
| Administration | .00 | .00 | 4.11 | 4.17 | .00 | .00 | 3.09 | 3.09 | 3.62 |
| Arts | 3.68 | 4.62 | 4.17 | 4.17 | 4.17 | 2.87 | 3.00 | 3.07 | 3.66 |
| Lecture Hall | 4.15 | 4.17 | .00 | 2.95 | .00 | .00 | .00 | .00 | 3.48 |
| Library | 4.58 | 3.09 | 4.59 | 3.51 | 4.16 | .00 | 4.32 | 3.09 | 3.99 |
| Law | .00 | .00 | .00 | 100.00 | 4.17 | .00 | .00 | .00 | 16.44 |
| Education | .00 | 4.57 | ,00 | .00 | .00 | 3.08 | .00 | .00 | 3.45 |
| Physical Education | .00 | 4.62 | 4.17 | 4.30 | .00 | 4.34 | 3.08 | .00 | 3.95 |
| Student Union | .00 | .00 | 4.11 | .00 | 4.04 | 1.01 | 3.09 | .00 | 3.63 |
| Food Services | .00 | .00 | 4.17 | 4.17 | .00 | .00 | .00 | 3.03 | 3.98 |
| Health Services | .00 | .00 | .00 | 3.84 | .00 | .00 | ,00 | .00 | 3.84 |
| Central Services & Maintenance | 3.22 | 4.00 | 3.73 | .00 | ,00 | .00 | 3.09 | 3.09 | 3.57 |
| Staging | ,00 | .00 | .00 | 3.14 | 3.99 | .00 | .00 | 3.08 | 3.17 |
| Staging | .00 | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Fees
As A % of Construction Cost
Ontario University System

55

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|--------|--------|------|------|------|---------|
| All Types | 7.12 | 6.64 | 6.61 | 7.59 | 8.64 | 7.04 | 7.59 | 8.71 | 7.55 |
| Science | 8.78 | 6.70 | 6.64 | 7.41 | 7.13 | 7.03 | 7.96 | .00 | 7.54 |
| Engineering | 6.75 | 6.57 | .00 | 6.25 | 6.54 | 7.29 | 8.46 | 7.00 | 7.13 |
| Administration | 6.14 | .00 | 6.32 | 6.25 | .00 | .00 | 6.50 | 7.00 | 6.47 |
| Arts | 5.95 | 6.73 | 6.15 | 6.25 | 6,58 | 7.02 | 7.05 | 9.59 | 6.91 |
| Lecture Hall | 6.22 | 6.25 | .00 | 6.50 | 6.21 | .00 | .00 | .00 | 6.34 |
| Library | 6.76 | 6.50 | 7.75 | 6.81 | . 9,88 | .00 | 7.65 | 9.97 | 9.05 |
| Law | .00 | .00 | .00 | 150.00 | 7.00 | .00 | .00 | .00 | 25.50 |
| Education | .00 | 6.44 | .00 | .00 | .00 | 6.58 | .00 | .00 | 6.54 |
| Physical Education | 5.80 | 6.71 | 6.25 | 6.27 | .00 | 7.33 | 7.47 | .00 | 6.80 |
| Student Union | .00 | .00 | 6.19 | .00 | 6.42 | .00 | 7.80 | .00 | 6.64 |
| Food Services | .00 | .00 | 6.25 | 6.25 | .00 | .00 | .00 | 5.46 | 6.12 |
| Health Services | .00 | .00 | .00 | 5.75 | .00 | .00 | .00 | .00 | 5.75 |
| Central Services & Maintenance | 4.65 | 6.00 | 6.34 | .00 | .00 | .00 | 5.98 | 7.00 | 6.16 |
| Staging | .00 | .00 | .00 | 1.88 | 4.04 | .00 | .00 | 7.52 | 6.63 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Miscellaneous Costs As A % of Construction Cost Ontario University System 56

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|-------|------|------|------|------|---------|
| All Types | 1.51 | 1.79 | 2.38 | 4.66 | 2.24 | 3.16 | 2.66 | 2.72 | 2.50 |
| Science | 2.02 | 2.61 | 1.90 | 3.58 | 2.61 | 1.81 | 3.00 | .00 | 2.48 |
| Engineering | 3.92 | .88 | .00 | 3.13 | 1.47 | 2.51 | 3.00 | 3,00 | 2.18 |
| Administration | .69 | .00 | .15 | 3,13 | .00 | .00 | 3.00 | 3.00 | 2.10 |
| | 1.21 | .89 | 3.49 | 1.09 | 2.79 | 3.00 | 2.95 | 3.17 | 2.07 |
| Arts | .30 | 3.13 | .00 | ,00 | 4.34 | .00 | .00 | .00 | 3.38 |
| Lecture Hall | | | 1.69 | 8.60 | 2,00 | .00 | 2,35 | .00 | 2.59 |
| Library | .00 | .00 | | 75.00 | 3.00 | .00 | ,00 | .00 | 12.19 |
| Law | .00 | .00 | .00 | | | | | ,00 | 4.19 |
| Education | .00 | 3.69 | .00 | .00 | .00 | 4.36 | .00 | | |
| Physical Education | .85 | 1.43 | 3.12 | .70 | .00 | 3,33 | 1.80 | .00 | 2.04 |
| Student Union | .00 | .00 | 3,09 | .00 | 3.04 | .00 | 2.20 | .00 | 2.89 |
| Food Services | .00 | .00 | 3.13 | 3.12 | .00 | .00 | .00 | 2.71 | 3.06 |
| Health Services | .00 | .00 | .00 | 2.88 | .00 | .00 | .00 | .00 | 2.88 |
| | | 3.00 | 3.39 | .00 | .00 | .00 | .00 | 3.00 | 3.15 |
| Central Services & Maintenance | 1.52 | | | 12.67 | 4.06 | .00 | .00 | 1.98 | 3.23 |
| Staging | .00 | .00 | .00 | 12,01 | 1,00 | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

| rees and Contingency Costs |
|-----------------------------|
| As A % of Construction Cost |
| Ontario University System |

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| J | # |

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|------|--------|-------|-------|-------|-------|---------|
| All Types | 8.52 | 8.19 | 8.93 | 11.64 | 10.87 | 10,20 | 10.18 | 10.47 | 9,89 |
| Science | 10.47 | 9.30 | 8.54 | 11.44 | 9.52 | 8.85 | 10.96 | .00 | 10.14 |
| Engineering | 10.68 | 7.45 | .00 | 9.38 | 8.01 | 9.80 | 11.46 | 10.00 | 9,30 |
| Administration | 6.83 | .00 | 6.47 | 9.37 | .00 | .00 | 9.50 | 10.00 | 8.57 |
| Arts | 7.16 | 7.61 | 9.18 | 7.34 | 9.37 | 10.01 | 10.00 | 11.71 | 8.85 |
| Lecture Hall | 6.33 | 9.38 | .00 | 6,50 | 10.56 | .00 | .00 | .00 | 7.86 |
| Library | 7.72 | 6.50 | 9.43 | 15.41 | 11.88 | .00 | 10.00 | 9.97 | 11,17 |
| Law | .00 | .00 | .00 | 225.00 | 10.00 | .00 | .00 | .00 | 37.68 |
| Education | .00 | 10.13 | .00 | .00 | .00 | 10.94 | .00 | .00 | 10.74 |
| Physical Education | 6.65 | 8.14 | 9.37 | 7.44 | .00 | 10.66 | 9.27 | .00 | 8.86 |
| Student Union | .00 | 6.18 | 9,28 | .00 | 9.46 | .00 | 10.00 | .00 | 9.30 |
| Food Services | .00 | .00 | 9.38 | 9.37 | .00 | .00 | .00 | 8.18 | 9.17 |
| Health Services | .00 | .00 | .00 | 8.63 | .00 | .00 | .00 | .00 | 8.63 |
| Central Services & Maintenance | 6.17 | 9.00 | 9.74 | 8.40 | .00 | .00 | 5.98 | 10.00 | 8.84 |
| Staging | .00 | .00 | .00 | 14.55 | 8.10 | .00 | .00 | 9.50 | 9.86 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Furniture Costs
As A % of Construction Cost
Ontario University System

58

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|--------|-------|-------|-------|-------|---------|
| All Types | 8.83 | 8.81 | 9.14 | 8.90 | 8.94 | 10.09 | 8.47 | 8.45 | 8.92 |
| Science | 9.75 | 7.75 | 7.64 | 2.64 | 2.72 | 6.42 | 5.20 | .00 | 7.04 |
| Engineering | 9.12 | 5.89 | .00 | 3.69 | 3.87 | 15.32 | 4.72 | 4.73 | 7.20 |
| Administration | 8.15 | .00 | 10.81 | 9.54 | .00 | .00 | 14.13 | 7.48 | 9.35 |
| | 5.17 | 10.40 | 8.16 | 8.53 | 6.63 | 13.11 | 10.88 | 9.72 | 8.58 |
| Arts | | .00 | .00 | 9.94 | 9.70 | .00 | .00 | .00 | 8.81 |
| Lecture Hall | 5.41 | | | 7.65 | 9.77 | .00 | 15.25 | 11.40 | 12.48 |
| Library | 76.96 | 14.60 | 19.05 | | | .00 | .00 | .00 | 56.97 |
| Law | .00 | .00 | .00 | 342.20 | 14.90 | | | | |
| Education | .00 | 4,03 | .00 | .00 | .00 | 7.37 | .00 | .00 | 6.55 |
| Physical Education | 2.13 | 3.86 | .00 | 11.79 | .00 | 1.89 | 2.57 | .00 | 4.04 |
| Student Union | .00 | .00 | 8.41 | .00 | 8.16 | 11.91 | 11.93 | .00 | 9.18 |
| Food Services | .00 | .00 | 11.75 | 18.77 | .00 | .00 | .00 | 3.21 | 13.82 |
| | .00 | .00 | .00 | 6.20 | .00 | .00 | .00 | .00 | 6.20 |
| Health Services | | | 1.28 | .00 | .00 | .00 | .00 | 5.80 | 1.62 |
| Central Services & Maintenance | .89 | 1.87 | | | | .00 | .00 | 5.31 | 6.55 |
| Staging | .00 | .00 | .00 | 2.36 | 23.74 | .00 | .00 | 3,02 | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Equipment Costs
As A % of Construction Cost
Ontario University System

59

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|--------|--------|-------|-------|-------|---------|
| All Types | 11.58 | 11.14 | 9.95 | 21.60 | 7.15 | 9.09 | 9.60 | 4.95 | 10.32 |
| Science | 14.79 | 20.08 | 11.59 | 26.42 | 11.15 | 10.96 | 10.27 | .00 | 16.45 |
| Engineering | .00 | 11.05 | .00 | 22.85 | 18.04 | .00 | 10.90 | 11.40 | 14.49 |
| Administration | .00 | .00 | .00 | .00 | .00 | .00 | 8.12 | .00 | 8.12 |
| Arts | 9.93 | 4.93 | 12.96 | 4.82 | 16.90 | 8.16 | 5.49 | 5.72 | 8.49 |
| Lecture Hall | 5.66 | .00 | .00 | 8.29 | 18.68 | .00 | .00 | .00 | 10.75 |
| Library | 10.15 | 6.74 | 1.02 | 4.16 | . 3.14 | .00 | 23.05 | 1.35 | 4.89 |
| Law | .00 | .00 | .00 | 471.35 | .00 | .00 | .00 | .00 | 471.35 |
| Education | .00 | .00 | .00 | .00 | .00 | 13.38 | .00 | .00 | 13.38 |
| Physical Education | 8.38 | 7.48 | .00 | 5.49 | .00 | 5.61 | .89 | .00 | 4.68 |
| Student Union | .00 | .00 | .00 | .00 | 4.04 | 1.18 | 2.52 | .00 | 3.24 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 36.00 | 36.00 |
| Health Services | .00 | .00 | ,00 | 3.10 | .00 | .00 | ,00 | .00 | 3.10 |
| Central Services & Maintenance | 4.72 | 13.76 | 10.19 | .00 | .00 | .00 | .00 | 4.20 | 9.29 |
| Staging | .00 | .00 | .00 | 67.77 | 21,60 | .00 | .00 | 2.09 | 10.50 |
| | | | | | | | | | 10,00 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Equipment & Furniture Costs As A % of Construction Cost Ontario University System 60

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|----------------------------|-------|-------|-------|--------|-------|-------|-------|-------|---------|
| All Types | 20.13 | 18.68 | 16.68 | 25.78 | 15.71 | 17.06 | 18.07 | 12.92 | 18.31 |
| | 24.75 | 27.83 | 18.96 | 27.84 | 12.93 | 17.38 | 15.47 | .00 | 23.62 |
| Science | | 16.94 | .00 | 26.54 | 21.91 | 15.32 | 15.63 | 16.13 | 17.88 |
| Engineering | 9.12 | | 10.81 | 9.54 | .00 | .00 | 22.25 | 7.48 | 10.25 |
| Administration | 8.15 | .00 | | 13.35 | 23.53 | 21.27 | 16.37 | 15.44 | 17.07 |
| Arts | 15.10 | 15.34 | 21.12 | | | .00 | .00 | .00 | 18.08 |
| Lecture Hall | 11.07 | 6.93 | .00 | 18.23 | 28.38 | | | 12.75 | 17.31 |
| Library | 59.79 | 21.33 | 20.06 | 10.18 | 12.91 | .00 | 38.30 | | 112.50 |
| Law | .00 | .00 | ,00 | 813.54 | 14.90 | .00 | .00 | .00 | |
| Education | .00 | 4.03 | .00 | .00 | ,00 | 20.75 | .00 | .00 | 16.64 |
| Physical Education | 10.50 | 11.34 | 7.53 | 17.29 | .00 | 7.49 | 3.45 | ,00 | 8.53 |
| Student Union | .00 | 3.23 | 8.41 | .00 | 10.84 | 13.09 | 14.45 | .00 | 10.73 |
| | .00 | .00 | 11.75 | 18.77 | .00 | .00 | .00 | 39.21 | 19.85 |
| Food Services | .00 | .00 | ,00 | 9.30 | .00 | .00 | .00 | .00 | 9.30 |
| Health Services | | | 8.57 | 21.03 | .00 | .00 | .00 | 10.00 | 10.92 |
| Central Services & Mainten | | 15.63 | | 44.15 | 45.34 | .00 | .00 | 7.38 | 16.35 |
| Staging | .00 | .00 | .00 | 44.15 | 70.07 | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Mechanical & Electrical Costs As A % of Construction Cost Ontario University System

61

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 31.51 | 35.14 | 39.09 | 32.52 | 29.11 | 33.04 | 32.35 | 36.21 | 33.27 |
| Science | 34.29 | 41.07 | 41.54 | 34.44 | 35.45 | 30.55 | 39,23 | .00 | 37.54 |
| Engineering | 47.15 | 38.00 | .00 | 28.80 | 27.84 | 34.26 | 35.40 | 36.02 | 33.33 |
| Administration | .00 | .00 | 32.14 | 34.42 | .00 | .00 | 36.84 | 34.40 | 34.33 |
| Arts | 25.75 | 33.81 | 31.15 | 32.26 | 30.79 | 29.58 | 32.97 | 37.16 | 31.12 |
| Lecture Hall | 58.14 | 21.13 | .00 | 28.12 | 28.92 | .00 | .00 | .00 | 33.71 |
| Library | 26.51 | 30.44 | 35.94 | 31.84 | 29.22 | .00 | 28.44 | 36.75 | 30.71 |
| Law | .00 | .00 | .00 | .00 | 30.42 | .00 | .00 | .00 | 30.42 |
| Education | .00 | 24.24 | .00 | .00 | .00 | 36.76 | .00 | ,00 | 33.68 |
| Physical Education | 30.88 | 33.54 | 33.23 | 36.43 | .00 | 33.53 | 27.18 | .00 | 31.89 |
| Student Union | ,00 | .00 | 30.82 | .00 | 26.65 | .00 | 31.16 | ,00 | 28,32 |
| Food Services | .00 | .00 | 33.51 | 24.91 | .00 | .00 | .00 | 49.47 | 31.89 |
| Health Services | .00 | .00 | .00 | 34.05 | .00 | .00 | .00 | .00 | 34,05 |
| Central Services & Maintenance | 18.16 | .00 | 55.76 | .00 | .00 | .00 | 6.36 | 39.03 | 44.47 |
| Staging | .00 | .00 | .00 | 32.72 | 31.25 | .00 | .00 | 33,12 | 32,89 |
| | | | | | | | , , , | | 02.00 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs (Excluded from General Contract)
As A % of Total Project Costs
Ontario University System

62

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|-------|------|------|------|------|------|---------|
| All Types | 4.69 | 1.13 | 1.92 | 2.60 | .47 | 1.21 | .59 | .42 | 1.94 |
| Science | 1.67 | .82 | .37 | 3.18 | 1.64 | 3.33 | .11 | .00 | 1.54 |
| Engineering | 1.43 | 2.38 | ,00 | .00 | .33 | 1.24 | ,00 | .00 | 1.06 |
| | ,00 | ,00 | ,58 | .00 | .00 | ,00 | .00 | .00 | .58 |
| Administration | 8.94 | 1.11 | .00 | ,00 | 1.47 | 1.15 | .00 | .00 | 5.13 |
| Arts | .00 | ,00 | .00 | 3.74 | .00 | ,00 | .00 | .00 | 3.74 |
| Lecture Hall | .00 | .00 | .21 | .43 | .27 | .00 | 1.18 | .00 | .41 |
| Library | | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Law | .00 | | .00 | .00 | .00 | .00 | .00 | ,00 | .09 |
| Education | .00 | .09 | | .14 | ,00 | .28 | .42 | .00 | .73 |
| Physical Education | 2.89 | ,00 | ,00 | .00 | .00 | .00 | ,00 | .00 | .86 |
| Student Union | .00 | .00 | 86 | | | .00 | ,00 | .42 | .42 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 6.75 |
| Health Services | .00 | .00 | .00 | 6.75 | ,00 | | .00 | ,00 | 10.45 |
| Central Services & Maintenance | .00 | .00 | 10.45 | .00 | .00 | .00 | | .00 | 3.11 |
| Staging | .00 | .00 | ,00 | 1.55 | 5.03 | .00 | .00 | .00 | 0.11 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs (Included in General Contract) As A % of Total Project Cost Ontario University System

63

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 1.08 | .92 | 1.79 | 2,62 | 1.08 | 2.78 | 1.22 | .85 | 1.55 |
| Science | .88 | .00 | 2.69 | 3,10 | 5,83 | 2.49 | 1.23 | .00 | 2.07 |
| Engineering | .83 | .07 | .00 | .97 | 1.12 | 1.66 | 1.46 | 2.87 | 1.37 |
| Administration | .00 | .00 | .00 | 6.44 | .00 | .00 | .00 | .60 | 3.37 |
| Arts | 2.64 | 1.67 | .86 | .00 | .62 | 4.06 | .14 | .90 | 1.47 |
| Lecture Hall | ,00 | 2.25 | .00 | 1,59 | .00 | .00 | .00 | .00 | 1.73 |
| Library | .00 | .11 | 1.65 | 1.91 | .56 | .00 | 1.45 | .11 | .76 |
| Law | .00 | .00 | .00 | .00 | .34 | .00 | .00 | .00 | .34 |
| Education | .00 | .00 | .00 | .00 | .00 | 3.21 | .00 | .00 | 3.21 |
| Physical Education | .00 | .00 | 1.16 | 2.75 | ,00 | 1.38 | 1.98 | .00 | 1.76 |
| Student Union | .00 | .00 | .29 | .00 | 4.71 | .00 | 2.78 | .00 | 3.50 |
| Food Services | .00 | .00 | 3.10 | .45 | .00 | .00 | .00 | 6.53 | 2.44 |
| Health Services | .00 | .00 | .00 | 1.75 | ,00 | .00 | .00 | .00 | 1.75 |
| Central Services & Maintenance | 1.85 | .00 | 1.16 | .00 | .00 | .00 | 1.40 | .00 | 1.25 |
| Staging | .00 | .00 | .00 | 1.34 | 1.39 | .00 | .00 | .28 | .53 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Alteration & Renovation Costs As A % of Total Project Cost Ontario University System 64

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|--------|------|------|------|---------|
| All Types | .62 | .24 | .00 | .24 | 3.38 | .83 | .00 | .00 | .91 |
| Science | .00 | .00 | .00 | .24 | .26 | .51 | .00 | .00 | .30 |
| Engineering | .00 | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 |
| Administration | ,00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Arts | .62 | .00 | .00 | .00 | ,00 | 1.13 | .00 | .00 | .71 |
| Lecture Hall | .00 | .24 | .00 | .00 | .00 | .00 | .00 | .00 | ,24 |
| Library | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| Law | .00 | .00 | .00 | .00 | ,00 | .00 | ,00 | .00 | .00 |
| | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| Education | .00 | .00 | .00 | .00 | .00 | .75 | ,00 | .00 | .75 |
| Physical Education | .00 | .00 | ,00 | .00 | 3.82 | .00 | .00 | .00 | 3.82 |
| Student Union | .00 | .00 | ,00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | .00 | .00 | ., .00 | .00 | .00 | .00 | .00 |
| Health Services | | .00 | ,00 | ,00 | .00 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Staging | .00 | .00 | .00 | .00 | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Site Development Costs As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|--------------|------|------|---------|
| All Types | 5.13 | 1.30 | 2.81 | 4.38 | 1.58 | 3.76 | 1.54 | .86 | 2.66 |
| Science | 2.42 | .82 | 2.93 | 5.29 | 6.55 | 6.34 | 1.33 | .00 | 3.06 |
| Engineering | 2.26 | 2.41 | .00 | .97 | 1.44 | 2,90 | 1.46 | 2.87 | 2.01 |
| Administration | .00 | .00 | .58 | 6.44 | .00 | ,00 . | .00 | .60 | 2.76 |
| Arts | 8.69 | 1.93 | .86 | .00 | 1.05 | 4.93 | .14 | .90 | 3.49 |
| Lecture Hall | .00 | 2,49 | .00 | 5.32 | .00 | .00 | .00 | .00 | 4.73 |
| Library | .00 | .11 | 1.86 | 2.34 | .78 | ,00 | 2.63 | .11 | 1.06 |
| Law | .00 | .00 | .00 | .00 | .34 | .00 | .00 | .00 | .34 |
| Education | .00 | .09 | .00 | .00 | .00 | 3.21 | .00 | .00 | 2,52 |
| Physical Education | 2.89 | .00 | 1.16 | 2.90 | .00 | 2.41 | 2.40 | .00 | 2.30 |
| Student Union | .00 | .00 | 1.15 | .00 | 7.28 | .00 | 2.78 | .00 | 5.23 |
| Food Services | .00 | .00 | 3.10 | .45 | .00 | .00 | .00 | 6.95 | 2.52 |
| Health Services | .00 | .00 | .00 | 8.50 | .00 | .00 | .00 | .00 | 8.50 |
| Central Services & Maintenance | 1.85 | .00 | 9.68 | .00 | .00 | .00 | 1.40 | .00 | 7.82 |
| Staging | .00 | .00 | .00 | 2.89 | 5.96 | .00 | .00 | .28 | 1.32 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Building Equipment As A % of Total Project Cost Ontario University System 66

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|------|-------|-------|------|------|------|------|---------|
| All Types | 1.34 | 1.63 | 2.27 | 3.18 | 2.21 | 2.08 | 1.23 | 3.47 | 2.08 |
| Science | 1.27 | 1.08 | .97 | 1.23 | 2.69 | 4.14 | .33 | .00 | 1.14 |
| Engineering | .00 | 1.59 | .00 | .00 | 8.65 | .00 | .28 | .00 | 4.90 |
| Administration | .00 | .00 | 1.47 | .00 | .00 | .00 | 5.58 | .00 | 3.37 |
| Arts | 1.06 | 2.07 | 2.74 | .00 | 2.88 | 1.80 | .00 | 5.10 | 2.33 |
| Lecture Hall | .44 | .00 | .00 | .39 | .00 | .00 | .00 | .00 | .41 |
| Library | .89 | 1.37 | 2.77 | .00 | .45 | .00 | .76 | 2.36 | .98 |
| Law | .00 | .00 | .00 | .00 | 1.59 | .00 | .00 | .00 | 1.59 |
| | .00 | .00 | .00 | .00 | .00 | 2.83 | .00 | .00 | 2.83 |
| Education | .32 | 3.16 | 2.78 | 2.57 | .00 | 1.04 | 3.32 | .00 | 2.26 |
| Physical Education | | | 2.61 | ,00 | 4.73 | .00 | .00 | .00 | 4.23 |
| Student Union | .00 | .00 | | | .00 | .00 | ,00 | .00 | 13.10 |
| Food Services | .00 | .00 | 10.92 | 14.48 | | .00 | .00 | .00 | 1.52 |
| Health Services | .00 | .00 | .00 | 1.52 | .00 | | | .21 | 6.40 |
| Central Services & Maintenance | 21.80 | .00 | 5.25 | .00 | .00 | .00 | .86 | | 3.57 |
| Staging | .00 | .00 | .00 | 8.30 | .00 | .00 | .00 | 2.33 | 3.57 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Cash Allowance Costs As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | .84 | 1.77 | 1.16 | 1.75 | 3.15 | 3.33 | 2.26 | 1.93 | 2.03 |
| Science | .86 | 1.06 | 1.40 | 1.76 | .35 | 2.18 | 2.02 | .00 | 1.32 |
| Engineering | 1.03 | 9.53 | .00 | 4.92 | 1.64 | 5.19 | 1.73 | 3,33 | 3.36 |
| Administration | .00 | .00 | 1.61 | 2.87 | .00 | .00 | .72 | 1.80 | 1.93 |
| Arts | .81 | 1.35 | .00 | 1.83 | 3.26 | 3.32 | .89 | 1.37 | 1.55 |
| Lecture Hall | .73 | 2.76 | .00 | 1.23 | 1.16 | .00 | .00 | .00 | |
| Library | .68 | 1.90 | .88 | .86 | 3.62 | .00 | 5.66 | 1.84 | 1.32 |
| Law | .00 | .00 | .00 | .00 | 2.21 | .00 | .00 | | 3.01 |
| Education | .00 | .61 | .00 | .00 | .00 | 2.24 | | .00 | 2.21 |
| Physical Education | 1.07 | 1.10 | 1.33 | 2.47 | .00 | | .00 | .00 | 1.88 |
| Student Union | .00 | .00 | | | | 2.66 | 1.57 | .00 | 1.79 |
| Food Services | | | .92 | .00 | 4.30 | .00 | .64 | .00 | 2.93 |
| | .00 | .00 | 1.05 | 1.87 | .00 | .00 | .00 | 1.54 | 1.55 |
| Health Services | .00 | .00 | .00 | 2.11 | .00 | .00 | .00 | .00 | 2.11 |
| Central Services & Maintenance | .83 | .00 | .37 | .00 | .00 | .00 | 1.55 | 1.27 | .61 |
| Staging | .00 | .00 | .00 | .68 | 1.25 | .00 | | | |
| | | | | | 2.20 | ٠٥٥ | .00 | 2.80 | 2.24 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Built-in Equipment Costs As A % of Total Project Cost Ontario University System 68

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 4.10 | 3.07 | 3,32 | 5.22 | 1.28 | 2.11 | 1.87 | 2.57 | 2.68 |
| Science | 7.70 | 7.31 | 7.52 | 7.71 | 6.80 | .24 | 3.28 | .00 | 6.49 |
| Engineering | ,00 | .62 | .00 | 2.61 | 5.29 | 4.99 | 3.62 | .00 | 4.33 |
| Administration | .00 | ,00 | 1.15 | .00 | .00 | .00 | ,00 | .00 | 1,15 |
| | 3,61 | .26 | .31 | .00 | 4.27 | .16 | .00 | .57 | 1.70 |
| Arts | 2,21 | .98 | .00 | .41 | .00 | .00 | .00 | .00 | .72 |
| Lecture Hall | | .00 | .01 | .00 | .15 | .00 | .02 | .42 | .15 |
| Library | .00 | | .00 | ,00 | .96 | .00 | .00 | .00 | .96 |
| Law | ,00 | .00 | | .00 | .00 | .71 | .00 | .00 | .71 |
| Education | .00 | .00 | .00 | | | .00 | ,62 | .00 | 1.85 |
| Physical Education | 3.30 | .00 | .00 | 3.03 | .00 | | | | |
| Student Union | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |
| Food Services | .00 | .00 | ,00 | ,00 | .00 | .00 | .00 | .00 | .00 |
| Health Services | .00 | .00 | .00 | .00 | ,00 | .00 | .00 | .00 | .00 |
| Central Services & Maintenance | .00 | ,00 | .00 | .00 | ,00 | .00 | ,00 | .00 | ,00 |
| Staging | .00 | .00 | ,00 | .00 | .00 | .00 | .00 | 8.21 | 8.21 |
| DanBrug | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

69

Architectural Costs As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|---------|-------|-------|-------|---------|
| All Types | 48.10 | 47.92 | 45.03 | 43.19 | 50.95 | 45.07 | 49.38 | 46.91 | 47.46 |
| Science | 47.49 | 37.48 | 40.32 | 35.83 | 42.89 | 44.47 | 42.41 | .00 | 41.35 |
| Engineering | 44.45 | 44.81 | .00 | 46.96 | 41.14 | 42.33 | 46.17 | 46.89 | 43.61 |
| Administration | .00 | .00 | 56.55 | 49.34 | .00 | .00 | 43.99 | 56,07 | 52.16 |
| Arts | 50.62 | 51.71 | 55.88 | 57.75 | 44.45 | 44.87 | 54.39 | 44.96 | 50.01 |
| Lecture Hall | 37.66 | 65.17 | .00 | 52.63 | 50.00 | .00 | .00 | .00 | 50.35 |
| Library | 38.70 | 53.46 | 47.50 | 51.06 | . 54.78 | .00 | 42.10 | 49.33 | 51.45 |
| Law | .00 | .00 | .00 | .00 | 53.94 | .00 | .00 | .00 | 53.94 |
| Education | .00 | 69.67 | .00 | .00 | .00 | 42.50 | .00 | .00 | 48,49 |
| Physical Education | 51.43 | 55.24 | 55.40 | 45.12 | .00 | 53.83 | 59.43 | .00 | 54.08 |
| Student Union | .00 | .00 | 57.59 | .00 | 48.02 | .00 | 54.39 | .00 | 51.09 |
| Food Services | .00 | .00 | 43.27 | 45.06 | .00 | .00 | .00 | 27,85 | 41.21 |
| Health Services | .00 | .00 | .00 | 47.04 | .00 | .00 | .00 | .00 | 47.04 |
| Central Services & Maintenance | 51.61 | .00 | 27.77 | .00 | ,00 | ,00 | 87.46 | 51.91 | |
| Staging | .00 | .00 | .00 | 34.83 | 40,20 | .00 | .00 | | 38.86 |
| | | | | | 20,20 | .00 | .00 | 46.37 | 43.58 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Building Costs As A % of Total Project Cost Ontario University System 70

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 51.90 | 52.53 | 49,83 | 51.62 | 57.20 | 52.15 | 53.78 | 53,39 | 53,05 |
| Science | 50.42 | 43.79 | 46.68 | 43.92 | 49.55 | 51.03 | 48.04 | .00 | 47.01 |
| Engineering | 45.47 | 50.91 | .00 | 54.48 | 56.72 | 52.51 | 51,81 | 50.22 | 53.19 |
| Administration | .00 | .00 | 60.78 | 52.21 | .00 | .00 | 50,29 | 57.87 | 55,45 |
| | 55.37 | 55.33 | 58.35 | 59,58 | 52.74 | 50.05 | 55.28 | 51.08 | 54.35 |
| Arts | | 68.90 | ,00 | 54.67 | 51.16 | .00 | .00 | .00 | 52.22 |
| Lecture Hall | 39.19 | | 51.15 | 65,54 | 59.00 | .00 | 48.54 | 53.95 | 56.64 |
| Library | 40.27 | 56.73 | | ,00 | 58.70 | ,00 | .00 | .00 | 58.70 |
| Law | ,00 | .00 | ,00 | .00 | | | | 00 | 52,25 |
| Education | .00 | 70.28 | ,00 | .00 | .00 | 47.15 | .00 | .00 | 52,25 |
| Physical Education | 56.11 | 59.49 | 59.52 | 52.22 | .00 | 57.53 | 64.94 | .00 | 58.99 |
| Student Union | .00 | .00 | 61.12 | .00 | 57.05 | 89.32 | 55.02 | .00 | 59.89 |
| Food Services | .00 | .00 | 55.23 | 61.41 | .00 | .00 | .00 | 29.39 | 53.35 |
| Health Services | .00 | .00 | .00 | 50.67 | .00 | .00 | .00 | .00 | 50.67 |
| | 74.24 | ,00 | 30.18 | .00 | .00 | .00 | 89.88 | 53.38 | 43.05 |
| Central Services & Maintenance | 14.24 | .00 | | | 44 45 | .00 | .00 | 59.59 | 54.69 |
| Staging | .00 | .00 | .00 | 43.82 | 41.45 | .00 | .00 | 23,00 | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Mechanical Costs As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|-----------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 15,55 | 19.24 | 21.21 | 16.53 | 14.87 | 17,33 | 15.87 | 20.25 | 17.33 |
| Science | 16.26 | 20.13 | 21.94 | 16.84 | 20.76 | 15.75 | 20.57 | .00 | |
| Engineering | 30.44 | 21.40 | .00 | 13.80 | 16.34 | 18.24 | 17.63 | | 18.76 |
| Administration | .00 | .00 | 14.51 | 20.58 | ,00 | .00 | | 20,29 | 18.22 |
| Arts | 15.12 | 20,19 | 17.86 | 16.77 | 14.32 | | 21.14 | 20.59 | 19.56 |
| Lecture Hall | 10.23 | 9.87 | .00 | | | 15.43 | 16.99 | 20.73 | 17.29 |
| Library | 8,26 | 17.22 | | 13.40 | 15.53 | .00 | .00 | .00 | 13.21 |
| Law | | | 19.17 | 15.59 | 14.34 | .00 | 10.37 | 22.23 | 15.20 |
| Education | .00 | .00 | .00, | .00 | 15.69 | .00 | .00 | .00 | 15.69 |
| | .00 | 15.90 | .00 | .00 | .00 | 18.46 | .00 | .00 | 17.90 |
| Physical Education | 18.67 | 16.59 | 16.32 | 20.90 | .00 | 18.79 | 13.42 | .00 | 17.09 |
| Student Union | .00 | .00 | 16.01 | .00 | 16.11 | .00 | 16.23 | .00 | 16.11 |
| Food Services | .00 | .00 | 18.01 | 14.53 | .00 | .00 | .00 | 24.23 | 17.47 |
| Health Services | .00 | .00 | .00 | 17.83 | .00 | .00 | .00 | .00 | 17.83 |
| Central Services & Maintena | nce 11.20 | .00 | 34.39 | .00 | .00 | .00 | 4.00 | 23.23 | 27.81 |
| Staging | .00 | .00 | .00 | 14.88 | 12.02 | .00 | .00 | 16.22 | 15.51 |
| | | | | | | | | | 10.01 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Electrical Costs
As A % of Total Project Cost
Ontario University System

72

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|------|------|-------|-------|---------|
| All Types | 9.08 | 8.39 | 10.23 | 8.01 | 8.03 | 8.60 | 9.45 | 9.09 | 8.83 |
| Science | 9.34 | 9.82 | 10.58 | 7.77 | 8.19 | 8.45 | 10,46 | .00 | 9.47 |
| Engineering | 8.91 | 9.15 | .00 | 7.39 | 5.09 | 9.14 | 10.22 | 8.27 | 7.99 |
| Administration | .00 | .00 | 12.90 | 8.37 | .00 | ,00 | 6.82 | 8.69 | 9.07 |
| Arts | 5.81 | 7.30 | 7.73 | 9.96 | 8.84 | 7.10 | 9.10 | 8.50 | 7.51 |
| Lecture Hall | 42.74 | 8.30 | .00 | 9.15 | 5.29 | .00 | .00 | .00 | 14.41 |
| Library | 5.42 | 6.59 | 8.58 | 8.63 | 8.97 | .00 | 8.80 | 7.72 | 8.52 |
| Law | .00 | .00 | .00 | .00 | 8.67 | .00 | .00 | .00 | 8.67 |
| Education | .00 | 5,33 | ,00 | .00 | .00 | 9.45 | .00 | .00 | 8.54 |
| | 7.69 | 11.49 | 12.11 | 8.42 | .00 | 9.58 | 10.70 | .00 | 10.08 |
| Physical Education | .00 | ,00 | 10.18 | ,00 | 6.04 | .00 | 8.81 | .00 | 7.37 |
| Student Union | | .00 | 9.66 | 4.91 | .00 | .00 | .00 | 9.34 | 7.24 |
| Food Services | .00 | | .00 | 11.04 | .00 | .00 | .00 | .00 | 11.04 |
| Health Services | .00 | ,00 | | | | .00 | 2.00 | 9,30 | 10.50 |
| Central Services & Maintenance | 5.05 | .00 | 12.75 | .00 | .00 | | | | |
| Staging | .00 | .00 | .00 | 6.48 | 8.34 | .00 | .00 | 12.11 | 10.67 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Federal Sales Tax Rebate As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 3.23 | 3.42 | 3.29 | 2.94 | 3,22 | 2.62 | 2.59 | 2.49 | 3.03 |
| Science | 3.45 | 3.24 | 3.20 | 2.96 | 3.38 | 2.35 | 2.53 | .00 | 3.19 |
| Engineering | 3.62 | 3.48 | .00 | 3.07 | 2.62 | 2.87 | 2.43 | 2.36 | 2.78 |
| Administration | .00 | .00 | 3.50 | 3.50 | .00 | .00 | 2.35 | 2.63 | 3.02 |
| Arts | 3.01 | 3.75 | 3.20 | 3.45 | 3.44 | 2.16 | 2.37 | 2.41 | 2.92 |
| Lecture Hall | 3.53 | 3.58 | .00 | 2.36 | .00 | .00 | .00 | .00 | 2.87 |
| Library | 2.36 | 2.42 | 3.54 | 2.80 | 3.31 | .00 | 2.92 | 2.52 | 3.09 |
| Law | .00 | .00 | .00 | 2.91 | 3.34 | .00 | .00 | .00 | 3.02 |
| Education | .00 | 4.01 | .00 | .00 | .00 | 2.34 | .00 | .00 | 2.71 |
| Physical Education | .00 | 3.87 | 3.56 | 3.46 | .00 | 3.68 | 2.73 | .00 | 3.37 |
| Student Union | .00 | .00 | 3.49 | .00 | 3.36 | .89 | 2.48 | .00 | 3.03 |
| Food Services | .00 | .00 | 3.44 | 3.25 | .00 | .00 | .00 | 2.06 | 3.08 |
| Health Services | .00 | .00 | .00 | 3.25 | .00 | .00 | .00 | .00 | 3.25 |
| Central Services & Maintenance | 2.88 | 3.21 | 3.12 | .00 | .00 | .00 | 2.92 | 2.58 | 3.04 |
| Staging | .00 | .00 | .00 | 2.05 | 2.60 | .00 | .00 | 2.64 | 2.53 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

| Construction Cost |
|------------------------------|
| As A % of Total Project Cost |
| Ontario University System |

74

| JILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|-------------------------------|---|---|----------|---|--|---|--|--|--|
| l Types | 77.73 | 78.82 | 79.61 | 67.71 | 79.00 | 78.76 | 78.25 | 81.04 | 77.21 |
| ience | 73.95 | 72.92 | 78.43 | 71.80 | 81.66 | 79.22 | 79.10 | .00 | 74.76 |
| ngineering | 83.47 | 80.40 | .00 | 73.58 | 76.97 | 79.92 | 78.69 | 79.28 | 78.62 |
| dministration | 86.97 | .00 | 85.27 | 84.10 | .00 | .00 | 75.90 | 85.12 | 84.16 |
| rts | 81.79 | 81.33 | 76.75 | 82.86 | 75.24 | 76.17 | 79.13 | 78.65 | 79.41 |
| ecture Hall | 85.18 | 85.98 | .00 | 80.17 | 71.97 | .00 | .00 | .00 | 79.40 |
| brary | 59.70 | 78.23 | 77,22 | 79.62 | 80.14 | .00 | 67.43 | 81.49 | 77.83 |
| ıw | .00 | .00 | .00 | 2.91 | 80.06 | .00 | .00 | .00 | 18.36 |
| lucation | .00 | 87.60 | .00 | .00 | .00 | 75.94 | .00 | .00 | 78.51 |
| ysical Education | 85.36 | 83.70 | 85.54 | 82.04 | .00 | 84.64 | 88.72 | .00 | 85.33 |
| udent Union | .00 | 91.40 | 84.97 | .00 | 83.13 | 88.43 | 80.35 | .00 | 83.82 |
| ood Services | .00 | .00 | 82.56 | 78.04 | .00 | .00 | .00 | 67.85 | 77.50 |
| ealth Services | .00 | .00 | .00 | 84.80 | .00 | .00 | .00 | .00 | 84.80 |
| entral Services & Maintenance | 89.46 | 80.24 | 84.53 | 77.26 | .00 | .00 | 94.35 | 83.33 | 84.34 |
| aging | .00 | .00 | .00 | 65.30 | 65.17 | .00 | .00 | 85.56 | 79.59 |
| | UILDING TYPE II Types stence Ingineering dministration Its ecture Hall library aw ducation hysical Education tudent Union lood Services ealth Services entral Services & Maintenance taging | ## 17.73 ## | ## Types | Trypes 77.73 78.82 79.61 Science 73.95 72.92 78.43 Ingineering 83.47 80.40 .00 Indinistration 86.97 .00 85.27 Install Education 85.18 85.98 .00 Indication .00 .00 .00 Indication .00 87.60 .00 Indication .00 87.60 .00 Indication .00 91.40 84.97 Indication .00 82.56 Indication .00 82.56 Indication .00 82.56 Indication .00 .00 .00 Indication .00 91.40 84.97 Indication .00 .00 .00 Indication .00 .00 | Trypes 77.73 78.82 79.61 67.71 cience 73.95 72.92 78.43 71.80 ngineering 83.47 80.40 .00 73.58 dministration 86.97 .00 85.27 84.10 rts 81.79 81.33 76.75 82.86 ecture Hall 85.18 85.98 .00 80.17 cibrary 59.70 78.23 77.22 79.62 aw .00 .00 .00 .00 .00 2.91 ducation .00 87.60 .00 .00 .00 hysical Education 85.36 83.70 85.54 82.04 cudent Union .00 91.40 84.97 .00 cod Services .00 .00 .00 82.56 78.04 ealth Services Maintenance 89.46 80.24 84.53 77.26 | Trypes 77.73 78.82 79.61 67.71 79.00 reference 73.95 72.92 78.43 71.80 81.66 regineering 83.47 80.40 .00 73.58 76.97 reference 85.27 84.10 .00 reference 81.79 81.33 76.75 82.86 75.24 recture Hall 85.18 85.98 .00 80.17 71.97 reference 85.70 78.23 77.22 79.62 80.14 reference 85.36 83.70 85.54 82.04 .00 reference 85.46 80.24 84.53 77.26 | Trypes 77.73 78.82 79.61 67.71 79.00 78.76 cience 73.95 72.92 78.43 71.80 81.66 79.22 ngineering 83.47 80.40 .00 73.58 76.97 79.92 dministration 86.97 .00 85.27 84.10 .00 .00 .00 .00 .00 .00 .00 .00 .00 | Il Types 77.73 78.82 79.61 67.71 79.00 78.76 78.25 cience 73.95 72.92 78.43 71.80 81.66 79.22 79.10 ngineering 83.47 80.40 .00 73.58 76.97 79.92 78.69 dministration 86.97 .00 85.27 84.10 .00 .00 .00 75.90 crts 81.79 81.33 76.75 82.86 75.24 76.17 79.13 ecture Hall 85.18 85.98 .00 80.17 71.97 .00 .00 cibrary 59.70 78.23 77.22 79.62 80.14 .00 67.43 aw .00 .00 .00 .00 2.91 80.06 .00 .00 ducation .00 87.60 .00 .00 .00 2.91 80.06 .00 .00 .00 ducation .00 87.60 .00 .00 .00 .00 75.94 .00 hysical Education 85.36 83.70 85.54 82.04 .00 84.64 88.72 chident Union .00 91.40 84.97 .00 83.13 88.43 80.35 cood Services .00 .00 .00 82.56 78.04 .00 .00 .00 .00 ealth Services & Maintenance 89.46 80.24 84.53 77.26 .00 .00 .00 .00 .00 .00 .00 entral Services & Maintenance 89.46 80.24 84.53 77.26 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0 | H Types 77.73 78.82 79.61 67.71 79.00 78.76 78.25 81.04 clence 73.95 72.92 78.43 71.80 81.66 79.22 79.10 .00 ngineering 83.47 80.40 .00 73.58 76.97 79.92 78.69 79.28 dministration 86.97 .00 85.27 84.10 .00 .00 .00 75.90 85.12 rts 81.79 81.33 76.75 82.86 75.24 76.17 79.13 78.65 ecture Hall 85.18 85.98 .00 80.17 71.97 .00 .00 .00 .00 .00 clustery 59.70 78.23 77.22 79.62 80.14 .00 67.43 81.49 aw .00 .00 .00 .00 .00 .00 .00 .00 .00 .0 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

| rees | |
|----------------------|-----------|
| As A % of Total Pro | ject Cost |
| Ontario University S | System |

75

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 5.57 | 5.22 | 5.25 | 5.00 | 6.82 | 5.52 | 5.94 | 7.06 | 5.84 |
| Science | 6.56 | 4.88 | 5.20 | 5.30 | 5.82 | 5.57 | 6.30 | .00 | 5.67 |
| Engineering | 5.64 | 5.28 | .00 | 4.60 | 5.03 | 5.83 | 6.66 | 5.55 | 5.60 |
| Administration | 5.34 | .00 | 5.39 | 5.26 | .00 | .00 | 4.93 | 5.96 | 5.45 |
| Arts | 4.87 | 5.47 | 4.72 | 5.18 | 4.95 | 5.34 | 5.58 | 7.55 | 5.49 |
| Lecture Hall | 5.30 | 5.37 | .00 | 5.21 | 4.47 | .00 | .00 | .00 | 5.03 |
| Library | 3.49 | 5.08 | 5.98 | 5.42 | 7.92 | .00 | 5.16 | 8.12 | 7.05 |
| Law | .00 | .00 | .00 | 4.36 | 5.60 | .00 | .00 | .00 | 4.68 |
| Education | .00 | 5.64 | .00 | .00 | .00 | 5.00 | .00 | .00 | 5.14 |
| Physical Education | 4.95 | 5.61 | 5.35 | 5.04 | .00 | 6.20 | 6.63 | .00 | 5.79 |
| Student Union | .00 | .00 | 5.26 | .00 | 5.33 | .00 | 6.27 | .00 | 5.51 |
| Food Services | .00 | .00 | 5.16 | 4.88 | .00 | .00 | .00 | 3.71 | 4.74 |
| Health Services | .00 | .00 | .00 | 4.88 | .00 | .00 | .00 | .00 | 4.88 |
| Central Services & Maintenance | 4.16 | 4.81 | 5.36 | .00 | .00 | .00 | 5.65 | 5.83 | 5.28 |
| Staging | .00 | .00 | .00 | 1.01 | 2.63 | .00 | .00 | 6.44 | 5.21 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Miscellaneous Costs As A % of Total Project Cost Ontario University System 76

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 1.21 | 1.41 | 1.91 | 2.99 | 1.77 | 2.48 | 2.07 | 2,21 | 1.94 |
| Science | 1.54 | 1.90 | 1.49 | 2.56 | 2.13 | 1.44 | 2.37 | .00 | 1.88 |
| Engineering | 3.27 | .71 | .00 | 2,30 | 1.13 | 2.01 | 2.36 | 2.38 | 1.71 |
| Administration | .60 | .00 | .13 | 2.63 | .00 | .00 | 2.28 | 2.55 | 1.77 |
| Arts | .99 | .72 | 2.87 | .90 | 2.10 | 2.28 | 2.33 | 2.50 | 1.66 |
| Lecture Hall | .26 | 2.69 | .00 | .00 | 3.13 | .00 | .00 | .00 | 2.62 |
| Library | .00 | .00 | 1.30 | 6.85 | 1.60 | .00 | 1.58 | .00 | 2.03 |
| Law | .00 | .00 | .00 | 2.18 | 2.40 | .00 | .00 | .00 | 2.24 |
| Education | .00 | 3.23 | .00 | .00 | .00 | 3.31 | .00 | .00 | 3.29 |
| Physical Education | .73 | 1.20 | 2.67 | .56 | .00 | 2.82 | 1.59 | .00 | 1.74 |
| Student Union | .00 | .00 | 2.63 | .00 | 2.53 | .00 | 1.77 | .00 | 2.40 |
| Food Services | .00 | .00 | 2.58 | 2.44 | .00 | .00 | .00 | 1.84 | 2.37 |
| Health Services | .00 | .00 | .00 | 2.44 | .00 | .00 | .00 | .00 | 2.44 |
| Central Services & Maintenance | 1.36 | 2,41 | 2.87 | .00 | .00 | .00 | .00 | 2.50 | 2.66 |
| Staging | .00 | .00 | .00 | 6.81 | 2.65 | .00 | .00 | 1.69 | 2.54 |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

| As A % of Total Project (Ontario University System | Cost | | | | | | | | |
|---|------|------|------|-------|------|------|------|------|---------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
| All Types | 6.62 | 6.46 | 7.11 | 7.86 | 8.59 | 8.01 | 7.97 | 8.49 | 7.63 |
| Science | 7.75 | 6.78 | 6.70 | 8.21 | 7.77 | 7.01 | 8.67 | .00 | 7.58 |
| Engineering | 8.91 | 5.99 | .00 | 6.90 | 6.17 | 7.83 | 9.02 | 7.93 | 7.32 |
| Administration | 5.94 | .00 | 5.52 | 7.88 | .00 | .00 | 7.21 | 8.51 | 7.21 |
| Arts | 5.85 | 6.19 | 7.04 | 6.08 | 7.05 | 7.63 | 7.91 | 9.21 | 7.03 |
| Lecture Hall | 5.39 | 8.06 | .00 | 5.21 | 7.60 | .00 | .00 | .00 | 6.24 |
| Library | 4.61 | 5.08 | 7.29 | 12.27 | 9.52 | .00 | 6.74 | 8.12 | 8.70 |
| Law | .00 | .00 | .00 | 6.54 | 8.01 | .00 | .00 | .00 | 6.92 |
| Education | .00 | 8.87 | .00 | .00 | .00 | 8.31 | .00 | .00 | 8.43 |
| Physical Education | 5.67 | 6.81 | 8.02 | 6.10 | .00 | 9.02 | 8.22 | .00 | 7.56 |
| Student Union | .00 | 5.65 | 7.88 | .00 | 7.86 | .00 | 8.04 | .00 | 7.76 |

7.32

7.32

6.49

7.82

.00

.00

.00

5.28

.00

.00

.00

.00

.00

.00

5.65

.00

5.55

.00

8.33

8.13

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Central Services & Maintenance

.00

.00

5.52

.00

.00

.00

7.22

.00

7.74

.00

8.23

.00

Food Services

Health Services

Staging

Fees and Contingency Costs

New Buildings

7.11

7.32

7.45

7.75

77

Furniture Costs As A % of Total Project Cost Ontario University System 78

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|--|--|---|--|---|---|---|--|---|
| All Types | 6.90 | 6.90 | 7.22 | 5.87 | 7.06 | 7.95 | 6.60 | 6.85 | 6.89 |
| Science | 7.28 | 5.65 | 5.98 | 1.88 | 2.22 | 5.09 | 4.12 | .00 | 5.29 |
| Engineering | 7.62 | 4.74 | .00 | 2.72 | 2.98 | 12.24 | 3.72 | 3.75 | 5.66 |
| Administration | 7.09 | .00 | 9.21 | 8.02 | .00 | .00 | 10.73 | 6.37 | 7.87 |
| Arts | 4.23 | 8.46 | 6.26 | 7.07 | 4.99 | 9,99 | 8.61 | 7.65 | 6.81 |
| Lecture Hall | 4.61 | .00 | .00 | 7.97 | 6.98 | .00 | .00 | .00 | 6.92 |
| Library | 39.70 | 11.42 | 14.71 | 6.09 | 7.83 | .00 | 10.28 | 9.29 | 9.72 |
| Law | .00 | .00 | .00 | 9.95 | 11.93 | .00 | .00 | .00 | 10.46 |
| Education | .00 | 3.53 | .00 | .00 | .00 | 5.60 | .00 | .00 | 5.14 |
| Physical Education | 1.82 | 3.23 | .00 | 9.49 | .00 | 1.60 | 2.28 | .00 | 3.44 |
| Student Union | .00 | .00 | 7.15 | .00 | 6.78 | 10.53 | 9.58 | .00 | 7.65 |
| Food Services | .00 | .00 | 9.70 | 14.65 | .00 | .00 | .00 | 2.18 | 10.71 |
| Health Services | .00 | .00 | .00 | 5.26 | .00 | .00 | .00 | .00 | 5.26 |
| Central Services & Maintenance | .80 | 1.50 | 1.08 | .00 | .00 | .00 | .00 | 4.83 | 1.37 |
| Staging | .00 | .00 | .00 | 1.54 | 15.47 | .00 | .00 | 4.55 | 5.21 |
| | All Types Science Engineering Administration Arts Lecture Hall Library Law Education Physical Education Student Union Food Services Health Services Central Services & Maintenance | All Types 6.90 Science 7.28 Engineering 7.62 Administration 7.09 Arts 4.23 Lecture Hall 4.61 Library 39.70 Law .00 Education .00 Physical Education 1.82 Student Union .00 Food Services .00 Health Services .00 Central Services & Maintenance .80 | All Types 6.90 6.90 Science 7.28 5.65 Engineering 7.62 4.74 Administration 7.09 .00 Arts 4.23 8.46 Lecture Hall 4.61 .00 Library 39.70 11.42 Law .00 .00 Education .00 3.53 Physical Education 1.82 3.23 Student Union .00 .00 Food Services .00 .00 Health Services .00 .00 Central Services & Maintenance .80 1.50 | All Types 6.90 6.90 7.22 Science 7.28 5.65 5.98 Engineering 7.62 4.74 .00 Administration 7.09 .00 9.21 Arts 4.23 8.46 6.26 Lecture Hall 4.61 .00 .00 Library 39.70 11.42 14.71 Law .00 .00 .00 Education .00 3.53 .00 Physical Education 1.82 3.23 .00 Student Union .00 .00 .00 9.70 Health Services .00 .00 .00 Central Services & Maintenance .80 1.50 1.08 | All Types 6.90 6.90 7.22 5.87 Science 7.28 5.65 5.98 1.88 Engineering 7.62 4.74 .00 2.72 Administration 7.09 .00 9.21 8.02 Arts 4.23 8.46 6.26 7.07 Lecture Hall 4.61 .00 .00 7.97 Library 39.70 11.42 14.71 6.09 Law .00 .00 .00 .00 9.95 Education .00 3.53 .00 .00 Physical Education 1.82 3.23 .00 9.49 Student Union .00 .00 9.70 14.65 Health Services .00 .00 .00 9.70 14.65 Health Services & Maintenance .80 1.50 1.08 .00 | All Types 6.90 6.90 7.22 5.87 7.06 Science 7.28 5.65 5.98 1.88 2.22 Engineering 7.62 4.74 .00 2.72 2.98 Administration 7.09 .00 9.21 8.02 .00 Arts 4.23 8.46 6.26 7.07 4.99 Lecture Hall 4.61 .00 .00 7.97 6.98 Library 39.70 11.42 14.71 6.09 7.83 Law .00 .00 .00 .00 9.95 11.93 Education .00 3.53 .00 .00 .00 Physical Education 1.82 3.23 .00 9.49 .00 Student Union .00 .00 7.15 .00 6.78 Food Services .00 .00 .00 9.70 14.65 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 | All Types 6.90 6.90 7.22 5.87 7.06 7.95 Science 7.28 5.65 5.98 1.88 2.22 5.09 Engineering 7.62 4.74 .00 2.72 2.98 12.24 Administration 7.09 .00 9.21 8.02 .00 .00 Arts 4.23 8.46 6.26 7.07 4.99 9.99 Lecture Hall 4.61 .00 .00 7.97 6.98 .00 Library 39.70 11.42 14.71 6.09 7.83 .00 Law .00 .00 .00 9.95 11.93 .00 Education .00 3.53 .00 .00 .00 5.60 Physical Education 1.82 3.23 .00 9.49 .00 1.60 Student Union .00 .00 9.70 14.65 .00 .00 Health Services .00 .00 .00 .00 5.26 .00 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 .00 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 .00 | All Types 6.90 6.90 7.22 5.87 7.06 7.95 6.60 Science 7.28 5.65 5.98 1.88 2.22 5.09 4.12 Engineering 7.62 4.74 .00 2.72 2.98 12.24 3.72 Administration 7.09 .00 9.21 8.02 .00 .00 10.73 Arts 4.23 8.46 6.26 7.07 4.99 9.99 8.61 Lecture Hall 4.61 .00 .00 7.97 6.98 .00 .00 Library 39.70 11.42 14.71 6.09 7.83 .00 .00 Education .00 .00 .00 9.95 11.93 .00 .00 Education .00 3.53 .00 .00 .00 9.95 11.93 .00 .00 Physical Education 1.82 3.23 .00 9.49 .00 1.60 2.28 Student Union .00 .00 .00 9.70 14.65 .00 .00 Health Services .00 .00 .00 .00 5.26 .00 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 .00 .00 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 .00 .00 .00 .00 | All Types 6.90 6.90 7.22 5.87 7.06 7.95 6.60 6.85 Science 7.28 5.65 5.98 1.88 2.22 5.09 4.12 .00 Engineering 7.62 4.74 .00 2.72 2.98 12.24 3.72 3.75 Administration 7.09 .00 9.21 8.02 .00 .00 10.73 6.37 Arts 4.23 8.46 6.26 7.07 4.99 9.99 8.61 7.65 Lecture Hall 4.61 .00 .00 7.97 6.98 .00 .00 .00 .00 Library 39.70 11.42 14.71 6.09 7.83 .00 10.28 9.29 Law .00 .00 .00 .00 9.95 11.93 .00 .00 .00 Education .00 3.53 .00 .00 .00 5.60 .00 .00 Physical Education 1.82 3.23 .00 9.49 .00 1.60 2.28 .00 Student Union .00 .00 9.70 14.65 .00 .00 .00 .00 .00 Food Services .00 .00 .00 9.70 14.65 .00 .00 .00 .00 .00 .00 Central Services & Maintenance .80 1.50 1.08 .00 .00 .00 .00 .00 .00 .00 .00 .00 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Equipment Costs As A % of Total Project Cost Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|------|-------|-------|-------|-------|-------|---------|
| All Types | 9.00 | 8.69 | 7.77 | 13.57 | 5.64 | 7.13 | 7.48 | 3.99 | 7.90 |
| Science | 10.98 | 14.64 | 9.07 | 18.88 | 9.10 | 8.68 | 8.12 | .00 | 12.35 |
| Engineering | .00 | 8.88 | .00 | 16.81 | 13.88 | .00 | 8.58 | 9.04 | 11.31 |
| Administration | .00 | .00 | .00 | .00 | .00 | .00 | 6.16 | .00 | 6.16 |
| Arts | 8.12 | 4.01 | 9.95 | 3.99 | 12.71 | 6.21 | 4.35 | 4.50 | 6.75 |
| Lecture Hall | 4.82 | .00 | .00 | 6.64 | 13.44 | .00 | .00 | .00 | 8.45 |
| Library | 5.24 | 5.27 | .78 | 3.16 | 2.52 | .00 | 15.54 | 1.10 | 3.79 |
| Law | .00 | .00 | .00 | 13.71 | .00 | .00 | .00 | .00 | 13.71 |
| Education | .00 | .00 | .00 | .00 | .00 | 10.16 | .00 | .00 | 10.16 |
| Physical Education | 7.15 | 6.26 | .00 | 4.42 | .00 | 4.75 | .79 | .00 | 3.99 |
| Student Union | .00 | .00 | .00 | .00 | 3.31 | 1.04 | 2.03 | .00 | 2.67 |
| Food Services | .00 | .00 | .00 | .00 | .00 | .00 | .00 | 24.43 | 24.43 |
| Health Services | .00 | .00 | .00 | 2.63 | .00 | .00 | .00 | .00 | 2.63 |
| Central Services & Maintenance | 4.22 | 11.04 | 8.44 | .00 | .00 | .00 | .00 | 3.50 | 7.76 |
| Staging | .00 | .00 | ,00 | 36.43 | 14.08 | .00 | .00 | 1.79 | 8.25 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch

Date: 02 Oct. 71

Equipment & Furniture Costs As A % of Total Project Cost Ontario University System 80

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 15.65 | 14.72 | 13.28 | 17.40 | 12.41 | 13.44 | 14.08 | 10.47 | 14.13 |
| Science | 18.30 | 20.29 | 14.87 | 19.99 | 10.56 | 13.77 | 12.24 | .00 | 17.66 |
| Engineering | 7.62 | 13.62 | .00 | 19.53 | 16.86 | 12.24 | 12.30 | 12.79 | 14.06 |
| Administration | 7.09 | .00 | 9.21 | 8.02 | .00 | ,00 | 16.89 | 6.37 | 8.63 |
| Arts | 12.35 | 12.47 | 16.21 | 11.06 | 17.71 | 16.20 | 12.96 | 12.14 | 13.56 |
| Lecture Hall | 9.43 | 5.95 | .00 | 14.62 | 20.43 | .00 | .00 | .00 | 14.35 |
| Library | 35.70 | 16.69 | 15.49 | 8.10 | 10.35 | .00 | 25.82 | 10.39 | 13.47 |
| Law | .00 | .00 | .00 | 23.66 | 11.93 | .00 | .00 | .00 | 20.65 |
| Education | .00 | 3.53 | .00 | .00 | .00 | 15.76 | .00 | .00 | 13.06 |
| Physical Education | 8.96 | 9.49 | 6.44 | 13.91 | .00 | 6.34 | 3.06 | .00 | 7.27 |
| Student Union | .00 | 2.95 | 7.15 | .00 | 9.01 | 11.57 | 11.61 | .00 | 8.99 |
| Food Services | .00 | .00 | 9.70 | 14.65 | ,00 | .00 | .00 | 26.60 | 15.38 |
| Health Services | .00 | .00 | .00 | 7.88 | .00 | .00 | .00 | .00 | 7.88 |
| Central Services & Maintenance | 5.02 | 12.54 | 7.24 | 16.25 | .00 | .00 | .00 | 8.33 | 9.10 |
| Staging | .00 | .00 | .00 | 28.83 | 29.55 | .00 | .00 | 6.31 | 13.01 |
| | | | | | | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Mechanical & Electrical Costs As A % of Total Project Cost Ontario University System 81

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| All Types | 24.41 | 27.63 | 31.44 | 24.55 | 22.90 | 25.94 | 25.31 | 29.34 | 26.13 |
| Science | 25.60 | 29.95 | 32.52 | 24.61 | 28.95 | 24,20 | 31.03 | .00 | 28.23 |
| Engineering | 39.35 | 30.55 | .00 | 21.19 | 21.43 | 27.38 | 27.85 | 28.56 | 26.21 |
| Admininstration | .00 | .00 | 27.41 | 28.95 | .00 | .00 | 27.96 | 29,28 | 28.63 |
| Arts | 20.93 | 27.50 | 25.60 | 26.73 | 23.17 | 22.53 | 26.09 | 29.23 | 24.81 |
| Lecture Hall | 49.53 | 18.17 | .00 | 22.55 | 20.81 | .00 | .00 | .00 | 26.77 |
| Library | 13.67 | 23.81 | 27.75 | 24.22 | 23.31 | .00 | 19.18 | 29.95 | 23.72 |
| Law | .00 | .00 | .00 | .00 | 24.36 | .00 | .00 | .00 | 24.36 |
| Education | .00 | 21.23 | .00 | .00 | .00 | 27.91 | .00 | .00 | 26.44 |
| Physical Education | 26.36 | 28.07 | 28.43 | 29.32 | .00 | 28.38 | 24.11 | .00 | 27.17 |
| Student Union | .00 | .00 | 26.19 | .00 | 22.15 | .00 | 25.03 | .00 | 23,49 |
| Food Services | .00 | .00 | 27.66 | 19.44 | .00 | .00 | .00 | 33.57 | 24.71 |
| Health Services | .00 | .00 | .00 | 28.88 | .00 | .00 | .00 | .00 | 28.88 |
| Central Services & Maintenance | 16.25 | .00 | 47.13 | .00 | .00 | .00 | 6.00 | 32,53 | 38.30 |
| Staging | .00 | .00 | .00 | 21.37 | 20.37 | .00 | .00 | 28.34 | 26.18 |

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Contents of Data Base Number of Projects by Building Type and Years 82

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-71 |
|--------------------------------|------|------|------|------|------|------|------|------|---------|
| All Types | 19 | 16 | 16 | 22 | 15 | 8 | 9 | 12 | 117 |
| Science | 6 | 3 | 6 | 7 | 3 | 1 | 2 | 0 | 28 |
| Engineering | 1 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 8 |
| Administration | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 6 |
| Arts | 5 | 5 | 2 | 1 | 2 | 2 | 1 | 4 | 22 |
| Lecture Hall | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| Library | 2 | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 11 |
| Law | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| Education | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| Physical Education | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 8 |
| Student Union | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 6 |
| Food Services | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 3 |
| Health Services | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Central Services & Maintenance | 1 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 8 |
| Staging | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 6 |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Total Project Costs by Building Type Ontario University System

| BUILDING TYPE | 1964 \$ | % | 1965 \$ | % | 1966 \$ | % | 1967 \$ | % | 1968 \$ | % | 1969 \$ | % | 1970 \$ | % | 1971 \$ | % |
|--------------------------------|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| All Types | 76925584 | 100 | 51124064 | 100 | 60487501 | 100 | 73049651 | 100 | 92406439 | 100 | 35593468 | 100 | 49223631 | 100 | 40392231 | 100 |
| Science | 33365779 | 43 | 16723832 | 33 | 25941862 | 43 | 33206677 | 45 | 1102243 | 1 | 2341913 | 7 | 9856020 | 20 | 0 | 0 |
| Engineering | 911348 | 1 | 4591169 | 9 | 0 | 0 | 1473095 | 2 | 10736622 | 12 | 8168669 | 23 | 6993973 | 14 | 2404287 | 6 |
| Administration | 2856767 | 4 | 0 | 0 | 1899096 | 3 | 3236079 | 4 | 0 | 0 | 0 | 0 | 1622738 | 3 | 3600000 | 9 |
| Arts | 29142299 | 38 | 16391145 | 32 | 10443049 | 17 | 2779258 | 4 | 7833603 | 8 | 10775582 | 30 | 11500000 | 23 | 15392548 | 38 |
| Lecture Hall | 2829249 | 4 | 1595450 | 3 | 0 | 0 | 6020995 | 8 | 4239640 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Library | 4197976 | 5 | 5693030 | 11 | 8319958 | 14 | 7260400 | 10 | 58069835 | 63 | 0 | 0 | 9727250 | 20 | 9114782 | 23 |
| Law | 0 | 0 | 0 | 0 | 0 | 0 | 7295173 | 10 | 2514432 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | 0 | 0 | 2282340 | 4 | 0 | 0 | 0 | 0 | . 0 | 0 | 8068952 | 23 | 0 | 0 | 0 | 0 |
| Physical Education | 2899500 | 4 | 2457800 | 5 | 4113428 | 7 | 4519070 | 6 | 0 | 0 | 5326251 | 15 | 6366024 | 13 | 0 | 0 |
| Student Union | 0 | 0 | 722548 | 1 | 2028622 | 3 | 0 | 0 | 6617315 | 7 | 912101 | 3 | 2157000 | 4 | 0 | 0 |
| Food Services | 0 | 0 | 0 | 0 | 1957990 | 3 | 3097276 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1195000 | 3 |
| Health Services | 0 | 0 | 0 | 0 | 0 | 0 | 399533 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Services & Maintenance | 722666 | 1 | 666750 | 1 | 5783496 | 10 | 1640795 | 2 | 0 | 0 | 0 | 0 | 1000626 | 2 | 485160 | 1 |
| Staging | 0 | 0 | 0 | 0 | 0 | 0 | 2121300 | 3 | 1292749 | 1 | 0 | 0 | 0 | 0 | 8200454 | 20 |

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Total GSF Areas By Building Type Ontario University System 84

| BUILDING TYPE | 1964 GSF | % | 1965 GSF | % | 1966 GSF | % G | 1967 SF | % | 1968 GSF | % | 1969 GSF | % | 1970 GSF | % | 1971 GSF | % |
|--------------------------------|-------------|-----|-------------|-----|-------------|-----|------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
| All Types | 2281910 | 100 | 1604048 | 100 | 1777370 | 100 | 1813669 | 100 | 2459690 | 100 | 1079513 | 100 | 1354544 | 100 | 1261674 | 100 |
| Science | 988189 | 43 | 458222 | 29 | 756055 | 43 | 713539 | 39 | 28170 | 1 | 62205 | 6 | 238589 | 18 | 0 | 0 |
| Engineering | 25077 | 1 | 134417 | 8 | 0 | 0 | 47682 | 3 | 263244 | 11 | 25887.6 | 24 | 170907 | 13 | 68057 | 5 |
| Administration | 105617 | 5 | 0 | 0 | 61420 | 3 | 93300 | 5 | 0 | 0 | 0 | 0 | 49868 | 4 | 127605 | 10 |
| Arts | 810327 | 36 | 554986 | 35 | 298286 | 17 | 75591 | 4 | 207676 | 8 | 303581 | 28 | 363353 | 27 | 460206 | 36 |
| Lecture Hall | 67807 | 3 | 41349 | 3 | 0 | 0 | 133609 | 7 | 112582 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Library | 134565 | 6 | 200540 | 13 | 267697 | 15 | 217668 | 12 | 1538318 | 63 | 0 | 0 | 269572 | 20 | 297000 | 24 |
| Law | 0 | 0 | 0 | 0 | 0 | 0 | 194872 | 11 | 85140 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | 0 | 0 | 75804 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 189584 | 18 | 0 | 0 | 0 | 0 |
| Physical Education | 125846 | 6 | 96840 | 6 | 144395 | 8 | 143088 | 8 | 0 | 0 | 243820 | 23 | 181000 | 13 | 0 | 0 |
| Student Union | 0 | 0 | 19140 | 1 | 61772 | 3 | 0 | 0 | 159390 | 6 | 21447 | 2 | 53755 | 4 | 0 | 0 |
| Food Services | 0 | 0 | 0 | 0 | 62030 | 3 | 88881 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 43550 | 3 |
| Health Services | 0 | 0 | 0 | 0 | 0 | 0 | 10438 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Services & Maintenance | 24482 | 1 | 22750 | 1 | 125715 | 7 | 25800 | 1 | 0 | 0 | 0 | 0 | 27500 | 2 | 19370 | 2 |
| Staging | 0 | 0 | 0 | 0 | 0 | 0 | 69201 | 4 | 65170 | 3 | 0 | 0 | 0 | 0 | 245886 | 19 |

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Total NASF Areas by Building Type Ontario University System

| BUILDING TYPE | 1964 NASF | % | 1965 NASF | % | 1966 NASF | % N | 1967 TASF | % | 1968 NASF | % | 1969 NASF | % | 1970 NASF | % | 1971 NASF | % |
|--------------------------------|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|
| All Types | 1221192 | 100 | 899640 | 100 | 1057573 | 100 | 1112629 | 100 | 1510063 | 100 | 637911 | 100 | 813649 | 100 | 781394 | 100 |
| Science | 499214 | 41 | 257834 | 29 | 433664 | 41 | 412961 | 37 | 16500 | 1 | 37581 | 6 | 141432 | 17 | 0 | 0 |
| Engineering | 16601 | 1 | 80023 | 9 | 0 | 0 | 27017 | 2 | 125872 | 8 | 149400 | 23 | 100908 | 12 | 39830 | 5 |
| Administration | 65952 | 5 | 0 | 0 | 37778 | 4 | 64930 | 6 | 0 | 0 | 0 | 0 | 31412 | 4 | 90341 | 12 |
| Arts | 426970 | 35 | 288227 | 32 | 148492 | 14 | 39825 | 4 | 111464 | 7 | 179656 | 28 | 188485 | 23 | 284555 | 36 |
| Lecture Hall | 34186 | 3 | 21196 | 2 | 0 | 0 | 65789 | 6 | 48247 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Library | 90026 | 7 | 114214 | 13 | 155211 | 15 | 149179 | 13 | 1015945 | 67 | 0 | 0 | 174342 | 21 | 180000 | 23 |
| Law | 0 | 0 | 0 | 0 | 0 | 0 | 115602 | 10 | 54176 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Education | 0 | 0 | 45200 | 5 | 0 | 0 | 0 | 0 | . 0 | 0 | 107997 | 17 | 0 | 0 | 0 | 0 |
| Physical Education | 73415 | 6 | 63420 | 7 | 108788 | 10 | 99588 | 9 | 0 | 0 | 147042 | 23 | 120000 | 15 | 0 | 0 |
| Student Union | 0 | 0 | 11879 | 1 | 31869 | 3 | 0 | 0 | 91716 | 6 | 16235 | 3 | 36750 | 5 | 0 | 0 |
| Food Services | 0 | 0 | 0 | 0 | 42222 | 4 | 62241 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 23535 | 3 |
| Health Services | 0 | 0 | 0 | 0 | 0 | 0 | 5988 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Services & Maintenance | 14828 | 1 | 17647 | 2 | 99549 | 9 | 21050 | 2 | 0 | 0 | 0 | 0 | 20320 | 2 | 14550 | 2 |
| Staging | 0 | 0 | 0 | 0 | 0 | 0 | 48459 | 4 | 46143 | 3 | 0 | 0 | 0 | 0 | 148583 | 19 |

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Net Gross Ratios Ontario University System 86

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1964-67 | 1968-71 | 1964-71 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| All Types | .5352 | .5609 | .5950 | .6135 | .6139 | .5909 | .6007 | .6193 | .5739 | .6081 | .5893 |
| Science | .5052 | .5627 | .5736 | .5788 | .5857 | .6041 | .5928 | .0000 | .5500 | .5943 | .5545 |
| Engineering | .6620 | .5953 | .0000 | .5666 | .4782 | .5771 | .5904 | .5852 | .5968 | .5466 | .5573 |
| Administration | .6244 | .0000 | .6151 | .6959 | .0000 | ,0000 | .6299 | .7080 | .6479 | .6860 | .6633 |
| Arts | .5269 | .5193 | .4978 | .5268 | .5367 | .5918 | .5187 | .6183 | .5195 | .5725 | .5425 |
| Lecture Hall | .5042 | .5126 | ,0000 | .4924 | .4285 | .0000 | .0000 | .0000 | .4991 | .4285 | .4768 |
| Library | .6690 | .5695 | .5798 | .6854 | .6604 | .0000 | .6467 | .6061 | .6199 | .6510 | .6423 |
| | .0000 | .0000 | ,0000 | .5932 | .6363 | .0000 | .0000 | .0000 | .5932 | .6363 | .6063 |
| Law | .0000 | .5963 | .0000 | .0000 | .0000 | .5697 | .0000 | .0000 | .5963 | .5697 | .5773 |
| Education | .5834 | .6549 | .7534 | .6960 | .0000 | .6031 | .6630 | .0000 | .6767 | .6286 | .6548 |
| Physical Education | | .6206 | .5159 | ,0000 | .5754 | .7570 | .6837 | .0000 | .5407 | .6168 | .5973 |
| Student Union | .0000 | .0000 | .6807 | .7003 | ,0000 | .0000 | .0000 | .5404 | .6922 | .5404 | .6582 |
| Food Services | .0000 | | .0000 | .5737 | ,0000 | .0000 | .0000 | .0000 | .5737 | .0000 | .5737 |
| Health Services | .0000 | .0000 | | | .0000 | ,0000 | .7389 | .7512 | .7702 | .7440 | .7652 |
| Central Services & Maintenance | .6057 | .7757 | .7919 | .8159 | .7080 | .0000 | .0000 | .6043 | .7003 | .6260 | .6395 |
| Staging | .0000 | .0000 | .0000 | .7003 | .1080 | .0000 | .0000 | | | | |

Dept. of University Affairs Architectural Services Branch Date: 02 Oct. 71

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

BUILDING TYPE: ADMINISTRATION

| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
|------|------------------------|--|--------------|
| 1971 | WA067 WA670 | Administration Building Student Services Building | 7—1 7—1 ■ |
| 1970 | YO059 | Atkinson College - Phase | 2 7—1 ■ |
| 1969 | **** | | |
| 1968 | _ | | |
| 1967 | CA025 | Administration Bldg-67 | 7-1 |
| 1966 | WI003 | Windsor Hall South Wing 65 Arts Admin. | 7—2 |
| 1965 | | | |
| 1964 | W1009 | Windsor Hall Tower N. Wing | 7—2 |

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

BUILDING TYPE: SCIENCE

| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
|------|------------------------|--|--------------|
| 1971 | _ | | |
| 1970 | MC046 WI040 | Life Sciences Mathematics Building | 7—1 7—1 ■ |
| 1969 | ОТ034 | New Child Study Centre 1967 | 72 |
| 1968 | ER004 | Laboratory - Grounds Building | 7—1 ■ |
| | GU025 GU026 | Swine Clinic - 67 Animal Holding Unit | 7—2 7—2 |
| 1967 | CA019 | Controlled Environment— Biology | 7-2 |
| | GU007 | Physical Sciences Phase 1 | 7—1 7—1 ■ |
| | LH011 | Science & Tech. Bldg. | 7-1 ■ |
| | MC021 MC033 | Nuclear Sci. Bldg. 1—65 Applied Dynamics | 1-1- |
| | MC033 | Laboratory 1 1966 | 7-2 |
| | QU027 | Animal Vivarium | 7—1 |
| | TR011 | Chemistry Bldg. & Mech. Services East | 7-2 |
| 1966 | GU004 | Crop Science—Herbicide | 55 7-2 |

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

| BUILDI | NG TYPE: SCIENCE | | | BUILDI | NG TYPE: ENGINEERING | | |
|--------|--------------------------|--|----------------------------------|--------|------------------------|--|--------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL | YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
| | GU005 MC026 | Animal Sci—Nutrition GU20 | 7-2 | 1971 | CA058 | School of Architecture | 7-1 |
| | WA017 WE019 YO026 | Biology Greenhouse Math. & Computer Bldg 6 Labatt Greenhouse 1966 Petrie Science Bldg, 1966 | 7-1 ■ 5 7-1 7-1 ■ 7-2 ■ | 1970 | WA035 | Engineering IV Phase 1 | 7-1 |
| 1965 | CA008 MC012 | Physics Building 1965 | 7-2 | 1969 | OT014 | Engineering Bldg. 1966 | 7-2 |
| | YO022 | Senior Sciences Complex—65 Behavioural Sciences—65 | 7—2 7—2 | 1968 | ER008 | Research and Laboratory Block - 68 | 7—1 ■ |
| 1964 | OT001 T0017 | Math. & Physics Bldg. Linear Accelerator | 7—2 ■ 7—2 ■ | 1967 | CA029 | Engineering 3-1967 C.J. MacKenzie Bldg. | 7—1 |
| | TO033 WE005 | Linear Accelerator Natural Sciences Bldg. 65 | 7—2 ■ 7—2 | 1966 | - | | |
| | W1002 Biol YO015 Fare | Biology 65 Farquharson Life Sciences | | 1965 | CA009 | Engineering 2-1965 C.J. MacKenzie Bldg. | 7.0 |
| | | Bldg. 1965 | 7—2 | | QU004 | Chemical Engineering 1965 | 7—2 5 7—2 |
| | | | | 1964 | TO019 | Metallurgy Building | 7-2 |

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

2,0,000

| BUILDING TYPE: ARTS | | | | | | | | | | |
|---------------------|------------------------|--------------------------------------|-----------|--|--|--|--|--|--|--|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME U | ACP LEVEL | | | | | | | |
| 1971 | LH032 | Academic Building | 7-1 | | | | | | | |
| 1911 | SC007 | Scarborough College | 7—1 ■ | | | | | | | |
| | | Phase 2A Stage 1 Psychology Building | 7-1 | | | | | | | |
| | WA066 YO063 | College 'F' | 7-1 | | | | | | | |
| | 10063 | Conege | | | | | | | | |
| 1970 | WE034 | Social Sciences Centre | 7-1 | | | | | | | |
| 1000 | CA049 | Arts 169 | 7-1 | | | | | | | |
| 1969 | MC035 | Humanities & Social | | | | | | | | |
| | WC033 | Sciences 3 1967 | 7-1 | | | | | | | |
| | | | | | | | | | | |
| 1968 | MC017 | Psychology Bldg-65 | 7-1 | | | | | | | |
| | WA028 | Arts 3—Humanities Bldg—6 | 7 7—1 | | | | | | | |
| | Y0033 | College D Academic | 7-2 ■ | | | | | | | |
| 1967 | 10033 | Conces D 120man | | | | | | | | |
| 1966 | CA013 | Social Science Bldg-Arts | | | | | | | | |
| 1500 | | 2 (LOEB) 1965 | 7-2 | | | | | | | |
| | ER002 | Erindale College | 7-2 | | | | | | | |
| | CTIOOS | Arts 1 65 | 7-2 | | | | | | | |
| 1965 | GU002 MC013 | Humanities & Social | | | | | | | | |
| | MC013 | Sciences 2 1966 | 7-2 | | | | | | | |
| | QU005 | Humanities 1965 | 7-2 | | | | | | | |
| | Y0023 | Vanier College Academic 6 | 6 7-2 | | | | | | | |
| | Y0024 | Atkinson College | 7-2 | | | | | | | |
| | | Phase 1—65 | 7-2 | | | | | | | |
| 1001 | MC005 | Humanities & Social | | | | | | | | |
| 1964 | MC003 | Sciences 1 1965 | 7-2 | | | | | | | |
| | SC002 | Scarborough College | 7-2 | | | | | | | |
| | WA004 | Arts Building 11 1965 | 7-1 | | | | | | | |
| | WE007 | Talbot College 65 | 7-2 | | | | | | | |
| | YO013 | Founders College | 7-2 | | | | | | | |
| | | | | | | | | | | |

| BUILDIN | IG TYPE: LECTURE HALL | | |
|---------|------------------------|---------------|------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
| 1971 | - | | |

1969 – 1968 Y0042 Lecture Hall Unit No. 2 7-1

1970

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

| BUILDI | NG TYPE: LECTURE HALL | | |
|--------|------------------------|---|------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
| 1967 | BR005 | Theatre Lecture Hall Thistle Proj. | 7-2 |
| 1966 | | | |
| 1965 | WA008 | Engineering Lecture Hall 1965 | 7-1 |
| 1964 | Y0016 Y0021 | Burton Auditorium Stedman Lecture Hall No. 1 1966 | 72 ■ 72 |

| BUILDII | NG TYPE: LIBRARY | | |
|---------|------------------------|--|--------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME (| JACP LEVEL |
| 1971 | ER013 | Library & Lecture Theatre Block | 7-1 |
| 1970 | OT013 | Central Library 1967 | 7—1 |
| 1969 | - | | |
| 1968 | TO026 | Humanities and Social Science Library | |
| | WE020 | New Main Library 66 | 7—1 ■ 7—1 |
| | YO036 | Central Library Phase 1-67 | 7—1 7—1 |
| 1967 | LA006 TR012 | Library Tower Building 196 Library & University Court 1966 | |
| 1966 | G U006 | New Library-66 | 7-2 |
| 1965 | BR001 | Library-65 Brock Tower | 7-2 |
| 1964 | LH002 YO011 | Library 1965 Science Library—65 | 71 |
| BUILDIN | G TYPE: LAW | Steacie | 7-2 |
| 1971 | - | | |
| 1970 | _ | | |

Data Base Contents University Buildings 02-Oct-71 92

Projects at latest UACP level

| יות וווום | NG TYPE: LAW | | | BUILDII | NG TYPE: EDUCATION | | |
|-----------|------------------------|---------------|------------|-----------------------------------|------------------------|--|------------|
| | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL | YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
| YEAR | | 2012211 | | 1971 | | | |
| 1969 | - | | 7—1 ■ | 1970 | | | |
| 1968 | WI024 | Law School—67 | | | OIIC21 | McArthur College | |
| 1967 | YO032 | Law School | 7—1 | 1969 | QU631 | Academic Bldg-1 1968 | 7—1 |
| 1966 | _ | | | | QU632 | McArthur College Academic Bldg—2 1968 | 7—1 |
| 1965 | - | | | 1000 | | | |
| | | | | 1968 | | | |
| 1964 | _ | | | 1967 | - | | |
| | | | | 1966 | | | |
| | | | | 1965 | WE012 | Alumni Hall 65 | 7—2 |
| | | | | 1964 | _ | | |
| | | | | BUILDING TYPE: PHYSICAL EDUCATION | | | |
| | | | | 1971 | - | | |
| | | | | 1970 | от004 | Physical Education Build | ing 7—1 |

Data Base Contents University Buildings 02-Oct-71

Projects at latest UACP level

| BUILDI | NG TYPE: PHYSICAL EDUCATI | ON . | | BUILDII | NG TYPE: STUDENT UNION | | |
|--------|---------------------------|--|--------------|---------|------------------------|---|------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL | YEAR | CAPITAL PROJECT NUMBER | | |
| 1969 | QU048 | Physical Education Complex 1967 | 7-1 | 1971 | - | BUILDING NAME | UACP LEVEL |
| 1968 | _ | | | 1970 | WE038 | University Community Centre 1970 | 7—1 |
| 1967 | LH013 WI019 | Athletic Bldg. 66 School of Physical Educ—67 | 7-1 | 1969 | QU090 | Social Centre, | |
| | YO037 | Ice Facilities | 7—2 7—2 ■ | 1968 | CA031 | West Campus Res. 1—70 University Union—67 | 7-1 |
| 1966 | WA014 | Athletics & Physical Educ. | 7-1 | | WI027 | Student Centre 68 | 71 71 |
| 1965 | YO028 | Phys. Ed. & Recreation | | 1967 | - | | |
| 1964 | MC011 | Centre | 7—2 | 1966 | WA009 | Campus Centre Building—6 | 5 7—1 |
| | WCOII | Physical Education School | 7-2 | 1965 | QU024 | International Centre | 7-2 |
| | | | | 1964 | - | | |

Data Base Contents University Buildings 02-Oct-71 94

Projects at latest UACP level

| BUILDI | NG TYPE: FOOD SERVICES | | | BUILDI | NG TYPE: HEALTH SERVICES | | |
|--------|------------------------|--------------------------|----------------|--------|--------------------------|--------------------------|------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL | YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL |
| 1971 | WE039 | Central Food Services | | 1971 | - | | |
| 2012 | | Commissary | Commissary 7—1 | | | | |
| 1970 | _ | | | 1969 | _ | | |
| 1969 | _ | | | 1968 | - | | |
| 1968 | d-comm | | | 1967 | WA026 | Health Services Building | 7—1 |
| 1967 | CA017 | University Food Services | 7—1 | 1966 | - | | |
| 1966 | WA010 | Food Services Bldg. 65 | 7—1 | 1965 | - | | |
| 1965 | | | | 1964 | | | |
| 1964 | | | | | | | |

Data Base Contents University Buildings 02-Oct-71

95

Projects at latest UACP level

| | NG TYPE: CENTRAL SERVICE | S & MAINTENANCE | • | BUILDI | NG TYPE: STAGING | | |
|------|--------------------------|--|--------------|--------|------------------------|--|------------------|
| YEAR | CAPITAL PROJECT NUMBER | BUILDING NAME | UACP LEVEL | YEAR | CAPITAL PROJECT NUMBER | DITT DITT O | |
| 1971 | LA027 | Maintenance Building 196 | 9 7—1 | 1971 | | BUILDING NAME | UACP LEVEL |
| 1970 | ОТ056 | Maintenance Services Bldg | | 19/1 | BR026 | Academic Staging | |
| 1969 | - | manitenance Services Bldg | . 7—1 | | LH039 | Building 1970 Temporary Accommodation | 7—1 ■ n 7—1 ■ |
| | _ | | | 1970 | _ | | |
| 1968 | **** | | | 1969 | _ | | |
| 1967 | LH014 | Powerhouse 67 | 7—1 ■ | 10.00 | | | |
| 1966 | MC023 WA011 WA012 | Campus Services Building Central Services | 7-2 7-1 ■ | 1968 | QU062 WE027 | Interim Administration 68 Staging Complex Phase 1—68 | 7—1 7—1 |
| 1965 | | Maintenance Stores & Commissary 1965 | 7—1 | 1967 | TR018 Y0046 | Staging Building Temporary Office Building | 7—2 7—1 ■ |
| | YO020 | Physical Plant Workshops Phase 1—65 | 7-1 | 1966 | - | | |
| 1964 | CA005 | Maintenance Building 1965 | 7-2 | 1965 | <u> </u> | | |
| | | | _ | 1964 | _ | | |

INTERIM COST STUDY - DECEMBER 1970

Tables & Appendices

| P | p | F | F | Α | 0 | С |
|---|----|---|---|----|----|---|
| | 1/ | Ŀ | A | 73 | N. | E |

OBJECTIVES

ANALYTIC FRAMEWORK CS-1 Basic Analytic Framework

Appendix 1
Project Cost Elements

CONCLUSIONS

CS-2 Total Project Costs/NASF Ontario University System

CS-3A, 4A, 5A, 6A Derivation of \$/NASF Allowance 1971/72

CS-3B, 4B, 5B, 6B Derivation of \$/NASF Allowance 1972/73

DATA BASE

CS-7 Contents of Data Base-number of projects by building type and year

CS-8, 9 Examples of Projects Deleted from Data Base

Appendix 2-Data Base Content University Buildings

Appendix 3—Data Base Contents Non-University Buildings

CONSTRUCTION COST COMPARISONS PER GROSS SQUARE FOOT CS-10 Construction Cost Per Gross Square Foot Ontario Education Systems CS-11 Construction Costs Per Gross Square Foot Ontario University System

CS-12 Construction Costs Per Gross Square Foot Comparisons With Non-University Buildings

CS-13 Construction Cost Comparisons-Science & Engineering Buildings

CS-14 Mechanical & Electrical Costs as a Percentage of Construction Cost

CS-15 Construction Cost Comparisons-Arts & Administration Buildings

Appendix 4—Arts-Speculative Office Building Comparison

CS-16 Construction Cost Comparisons-Staging Buildings

FEES & CONTINGENCY COSTS ONTARIO UNIVERSITY SYSTEM

CS-17 Fees and Contingency Costs as a Percentage of Construction Costs

EQUIPMENT & FURNITURE COSTS—ONTARIO UNIVERSITY SYSTEM

CS-18 Equipment & Furniture Costs as a Percentage of Construction Costs

CS-19 Equipment & Furniture Costs as a Percentage of Total Project Costs

CONSTRUCTION COST ESCALATION CS-20 Construction Cost Escalation Appendix 5— Trent Analysis

REGIONAL VARIATIONS IN CONSTRUCTION COSTS

CS-21 Regional Variations in Construction Costs-State of Illinois

REGIONAL VARIATIONS IN CONSTRUCTION COSTS

CS-22 Regional Variations in Construction Costs-Ontario Department of Education

DESIGN EFFECTIVENESS

CS-23 Design Effectiveness by Building Type -Ontario University System

CS-24 Design Effectiveness Selected Educational Institutions and Systems

PROGRAMMING

CS-25 Programming-Contact Hour Requirements

CS-26 Programming—Translation from Contact Hours to NASF Requirements

CS-27 Programming-Area Requirement Comparisons

CS-28 Programming Cost and Area/Student Comparisons

INCOMPLETE COMPONENTS OF THE STUDY

reface

This study was prepared by the Architectural Services Branch of the Department of University Affairs at the request of Dr. D.T. Wright, former Chairman of the Committee on University Affairs, in order to determine the adequacy of the present Capital Formula dollar allowance per net assignable square foot and to develop a viable basis for any new dollar standard. The report is interim in nature and the extent of its incompleteness is briefly outlined in section twelve.

The essence of the study is contained on the first three pages and the results of the study in terms of the dollars per net assignable square foot standard are illustrated on Tables 3A to 6B. The remainder of the study contains a description of the data base together with the analyses carried out to arrive at the figures contained in the above tables.

It must be stated that any isolated examination of the adequacy of the dollar standard per net assignable square foot is of limited usefulness since two inter-related variables—cost and space—are employed in calculating the capital requirements of the university system. As is indicated in the Programming Section of the study on page 21, dramatic changes in capital needs are effected by an examination of the space requirements of a given academic program without even considering the cost per net assignable square foot.

Nevertheless, with the exception of section eleven, and section ten on Design Effectiveness, this study is restricted to an examination of cost data per unit of space. It should be noted that extensive averaging of data was necessary in order to furnish the generalized macro type information required for use in establishing the cost parameter of the Capital Formula.

Finally, it is abundantly clear that all aspects of the building process must be re-examined in line with the need for more rigorous cost control. Compartmentalization of the various parts of the building industry has impeded economy in the use of resources. Furthermore, one must question whether marked economies are possible in the building industry if buildings remain handcrafted affairs. Increases in the productivity of the building industry will undoubtedly remain marginal compared with the rest of the economy if traditional practices continue.

Objectives—to indicate the adequacy of the present dollar allowance per net assignable square foot and to develop a viable basis for any new dollar standard.

Basic Analytic Framework

| CONSTRUCTION COSTS | + FEES & + CONTINGENCY COSTS | FURNITURE & EQUIPMENT COST | + CONSTRUCTIO COST ESCALATION | N = TOTAL PROJECT COST | x GROSS SQ. FEET NET ASSIGNABI SQ. FEET | = TOTAL PROJECT COST |
|---|--|---|---|---|---|--|
| (\$/GSF Year 1) | (\$/GSF) | (\$/GSF) | (\$/GSF) | (\$/GSF Year 2) | | (\$NASF Year 2) |
| Construction Cost \$/GSF (Year 1) | Fees & Contingency (10% of Construction Cost) \$/GSF | Furniture & Equipment (15% of Construction Cost) \$/GSF | Construction Cost Escalation (@ 6%/Year) \$/GSF | Total Project Cost \$/GSF (Year 2) | Net/Gross Ratios % | Total Project Cost Allowance \$/NASF (Year 2) |
| 25.19 26.03 26.45 27.29 28.13 | 2.52 2.60 2.64 2.73 2.81 | 3.78 3.90 3.97 4.09 4.22 | 1.51 1.56 1.59 1.64 1.69 | 33.00 34.10 34.65 35.75 36.85 | 60 62 63 65 67 | 55 |

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Total Project Costs/Net Assignable Square Foot-Ontario University System

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 |
|--|-----------------|----------------|----------------|-------------------------|----------------|----------------|-------------------------|
| ALL TYPES | 51.93 | 56.86 | 54.11 | 63.35 | 56.56* | 56.15 | 57.20* |
| Science Engineering | 54.24 | 65.46 57.37 | 56.78 | 72.72 54.52 | 67.90 | 62.00 54.68 | 74.25 67.74 39.97 |
| Administration Arts | 76.49 47.92 | 55.05 75.27 | 50.27 78.48 | 49.84 61.38 91.52 | 70.28 85.09 | 69.50 | 60.71* |
| Lecture Hall Library | 111.87 44.22 | 49.85 | 53.60 | 46.99 | 48.22 | # 4 OO | 55.79 57.26 |
| Law Education Physical Education | 41.63 | 50.49 38.75 | 37.81 | 57.12 | 72.15 | 74.89 32.54 | 57.31 49.11 54.40 |
| Student Union Food Services | | | 63.66 46.37 | 49.76 67.86 | 72.10 | | |
| Health Services Central Services & Maintenance Staging | 44.67 | | 32.16 | 68.84 | 24.26 | | 40.08* |

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*Revised 19th February, 1971.

Analytic Framework

The desire to

- (1) develop a statistical basis for the macro allocation standard in terms of dollars per net assignable square foot,
- (2) link micro type planning criteria to this macro allocation criterion.
- (3) isolate the four major components of total project costs* (i.e. construction cost, fees and contingency costs, equipment and furniture costs and construction cost escalation and,
- (4) employ comparative cost data available in terms of construction cost per gross square foot only,

lead to the use of the analytic framework indicated in CS-1. One possible disaggregation of the present dollar standard per net assignable square foot is noted for illustrative purposes. Simply stated construction costs per gross square foot plus a percentage of construction costs per gross square foot for

- (1) fees and contingency
- (2) for equipment and furniture and
- (3) for construction cost escalation.

is equal to the total project cost per gross square foot. The total project cost per net assignable square foot is determined by multiplying the total project cost per gross square foot by applicable gross square foot to net assignable square foot ratios.

Conclusions

Based on the data selected by the methods outlined in section four of this study, the results of the analytical work in sections five to eight indicate that the following range of allowances for each of the major components of total project cost are reasonable.

Cost Components Allowances

Construction Cost \$26.00 - \$27.00/GSF Fees & Contingency 10% of Construction Cost Furniture & Equipment 15 - 17% of Construction Cost Escalation Per Year 6 - 8% of Construction Cost Net to Gross Ratios 60 - 67%

Tables CS - 3A, 4A, 5A and 6A, illustrate the derivation of a number of dollars per net assignable square foot figures for 1971/72 employing various combinations of the above allowances. Similarly, Tables 3B, 4B, 5B and 6B, illustrate the derivation of allowances for 1972/73. The combinations illustrated range from a low of \$50.84 per net assignable square foot to a high of \$60.75 per net assignable square foot in 1971/72 and a low of \$53.16 per net assignable square foot

CS - 3A

Cost Component

Derivation of \$/Net Assignable Square Foot Allowance (1971 - 1972)

\$/GROSS SQUARE FOOT TOTAL PROJECT COST CALCULATION

| component | | 4/GDL |
|-----------------------|----------------|---------------|
| Construction Cost | | = \$26.00 |
| Fees & Contingency | @ 10% | |
| Furniture & Equipment | @ 15% | |
| Escalation (1 year) | @ 6% | |
| | 31% of \$26.00 | = \$ 8.06 |
| Total Project Cost | | = \$34.06/GSF |

\$/Net Assignable Square Foot Total Project Cost Calculation

Alternative Net Assignable

| Square Foot/Gross | Resultant \$/Net Assignable |
|--------------------|-----------------------------|
| Square Foot Ratios | Square Foot Allowances* |
| 60% | \$56.77 |
| 62% | 54.94 |
| 63% | 54.06 |
| 65% | 52.40 |
| 67% | 50.84 |

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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CS - 3B

Derivation of \$/Net Assignable Square Foot Allowance (1972 - 1973)

\$/GROSS SQUARE FOOT TOTAL PROJECT COST

| CALCULATION | | |
|-----------------------|----------------|---------------|
| Cost Component | | \$/GSF |
| Construction Cost | | = \$26.00 |
| Fees & Contingency | @ 10% | , |
| Furntiure & Equipment | @ 15% | |
| Escalation (2 years) | @ 12% | |
| | 37% of \$26.00 | = \$ 9.62 |
| Total Project Cost | 4=0.00 | = \$35.62/GSI |

\$/Net Assignable Square Foot Total Project Cost Calculation

= \$35.62/GSF

| ternative Net Assignable | |
|--------------------------|-----------------------------|
| Square Foot/Gross | Resultant \$/Net Assignable |
| Square Foot Ratios | Square Foot Allowances* |
| 60% | \$59.37 |
| 62% | 57.45 |
| 63% | 56.54 |
| 65% | 54.80 |
| 67% | 53.16 |
| | |

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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^{*}refer to Appendix 1 for a detailed list of the project cost elements

\$/GSF

= \$27.00

CS - 4A

Total Project Cost

Derivation of \$/Net Assignable Square Foot Allowance (1971 - 1972)

\$/GROSS SOUARE FOOT TOTAL PROJECT COST CALCULATION

\$/GSF Cost Component = \$26.00 **Construction Cost** @ 10% Fees & Contingency Furniture & Equipment @ 16% @ 6% Escalation (1 year) 32% of \$26.00 = \$ 8.32

= \$34.32/GSF

\$/Net Assignable Square Foot Total Project Cost Calculation

Alternative Net Assignable Resultant \$/Net Assignable Square Foot/Gross Square Foot Allowances* Square Foot Ratios \$57.20 60% 55.35 62% 54.48 63% 52.80 65% 51.22 67%

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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CS - 4B

Derivation of \$/Net Assignable Square Foot Allowance (1972 - 1973)

\$/GROSS SOUARE FOOT TOTAL PROJECT COST

CALCULATION \$/GSF Cost Component = \$26.00 **Construction Cost** @ 10% Fees & Contingency Furniture & Equipment @ 16% @ 12% Escalation (2 years) 38% of \$26.00 = \$ 9.88

= \$35.88/GSF**Total Project Cost**

\$/Net Assignable Square Foot Total Project Cost Calculation

Alternative Net Assignable Resultant \$/Net Assignable Square Foot/Gross Square Foot Allowances* Square Foot Ratios \$59.80 60% 57.87 62% 56.95 63% 55.20 65% 53.55 67%

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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CS - 5A

Derivation of \$/Net Assignable Square Foot Allowance (1971 - 1972)

\$/GROSS SOUARE FOOT TOTAL PROJECT COST CALCULATION

Cost Component **Construction Cost** @ 10% Fees & Contingency Furniture & Equipment @ 17% @ 6% Escalation (1 year)

> 33% of \$27.00 = \$ 8.91

= \$35.91/GSF Total Project Cost

\$/Net Assignable Square Foot Total Project Cost Calculation

Alternative Net Assignable Resultant \$/Net Assignable Square Foot/Gross Square Foot Allowances* Square Foot Ratios \$59.85 60% 57.92 62% 57.00 63% 55.25 65% 53.60 67%

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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CS-5B

Derivation of \$/Net Assignable Square Foot Allowance (1972 - 1973)

\$/GROSS SQUARE FOOT TOTAL PROJECT COST

| CALCULATION | | |
|-----------------------|----------------|---------------|
| Cost Component | | \$/GSF |
| Construction Cost | | = \$27.00 |
| Fees & Contingency | @ 10% | 427.00 |
| Furniture & Equipment | @ 17% | |
| Escalation (2 years) | @ 12% | |
| | | |
| _ | 39% of \$27.00 | = \$10.53 |
| Total Project Cost | | = \$37.53/GSF |

\$/Net Assignable Square Foot Total Project Cost Calculation

| Alternative Net Assignable | |
|----------------------------|-----------------------------|
| Square Foot/Gross | Resultant \$/Net Assignable |
| Square Foot Ratios | Square Foot Allowances* |
| 60% | \$62.55 |
| 62% | 60,53 |
| 63% | 59.57 |
| 65% | 57.74 |
| 67% | 56.01 |

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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CS - 6A

Derivation of \$/Net Assignable Square Foot Allowance (1971 - 1972)

= \$36.45/GSF

56.08

\$/GROSS SQUARE FOOT TOTAL PROJECT COST CALCULATION

| Cost Component | | \$/GSF |
|-----------------------|----------------|--------------|
| Construction Cost | | = \$27.00 |
| Fees & Contingency | @ 10% | 4=7.00 |
| Furniture & Equipment | @ 17% | |
| Escalation (1 year) | @ 8% | |
| | 2500 600000 | |
| Total Project Cost | 35% of \$27.00 | = \$ 9.45 |
| Total Project Cost | | = \$36.45/GS |

\$/Net Assignable Square Foot Total Project Cost Calculation

Alternative Net Assignable Square Foot/Gross Resultant \$/Net Assignable Square Foot Ratios Square Foot Allowances* 60% \$60.75 62% 58.79 63% 57.86 65%

54.40 *The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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67%

CS - 6B

Derivation of \$/Net Assignable Square Foot Allowance (1972 - 1973)

| 3/GROSS SQUARE FOO | T TOTAL PROJEC' | T COST |
|-----------------------|-----------------|---------------|
| CALCULATION | | 1 0001 |
| Cost Component | | \$/GSF |
| Construction Cost | | = \$27.00 |
| Fees & Contingency | @ 10% | Ψ27.00 |
| Furniture & Equipment | @ 17% | |
| Escalation (2 years) | @ 16% | |
| | 43% of \$27.00 | = \$11.61 |
| Total Project Cost | | = \$38.61/GSF |

\$/Net Assignable Square Foot Total Project Cost Calculation

| Alternative Net Assignable Square Foot/Gross Square Foot Ratios 60% 62% 63% | Resultant \$/Net Assignable Square Foot Allowances* \$64.35 62.27 |
|---|--|
| 63% | 61.29 |
| 65% | 59.40 |
| 67% | 57.63 |

*The total project costs in terms of \$/Net Assignable Square Feet and \$/Gross Square Feet are inversely related to the Net Assignable Square Foot/Gross Square Foot Ratio.

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to a high of \$64.35 per net assignable square foot in 1972/73. CS - 2 is included for comparative purposes to indicate total project costs per net assignable square foot in the university system between 1964-1970.

The Data Base

Ontario university cost data was selected primarily from Department of University Affairs records of university projects constructed in the 1964 to 1970 period, supplemented by a number of 1970 projects in various stages of approavl. The following types of projects were eliminated in order to establish a valid data base:—

- (1) all non-formula projects;
- (2) all renovations and additions having cost characteristics dissimilar to typical new buildings;
- (3) all residences;
- (4) projects of a unique type and of extraordinary cost;
- (5) projects for which detailed cost and space data was not available.

Clearly, any bias in the study related to the university project data base employed, is primarily the result of the selection process noted above. CS - 7 is a tabulation of the contents of the data base in terms of the number of projects by building type and year. Appendix 2 is a listing of these projects by capital project number and name. Necessarily, a print out of detailed cost data on the selected and total range of projects funded by the Government between 1964 and 1970, is available on request from the Department of University Affairs.

Probably the most contentious procedure followed was the elimination of projects in categories two and four. Projects in category two, additions and renovations, were eliminated since the project cost characteristics in almost all cases are unique and bear little relationship to the cost of new facilities.

Projects of a unique type and of extraordinary cost were similarly eliminated due to the disproportionate influence their data would have on the analytical results. Like addition and renovation projects, the cost characteristics of buildings in this category cannot be generalized.

Summary cost data, illustrating each of the above types of projects, are indicated in Tables CS-8 and CS-9.

Comparisons between university and non-university costs were made on the basis of cost per gross square foot since, with the exception of the community colleges, all cost data from these non-university sources were available on a gross square foot basis only and no uniform net assignable square

| CS - 7 | Content | s of Data Base | - Number of | Projects by I | Building Type | and Year | | |
|------------------------------------|---------|----------------|-------------|---------------|---------------|----------|---------|---------|
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1964-70 |
| ALL TYPES | 12 | 12 | 11 | 14 | 11 | 7 | 18 | 85 |
| Science | 3 | 3 2 | 3 | 4 | 2 | 1 1 | 1 2 | 17 6 |
| Engineering Administration | 1 | 3 | 1 | 1 2 | 2 | 2 | 1 3 | 4 16 |
| Arts Lecture Hall | 3 | 1 | 1 | 1 | 1 2 | | 1 | 4 7 |
| Library Law | 1 | 1 | 1 | Î | | 2 | 1 4 | 1 7 |
| Education Physical Education | 2 | 1 | 1 | 1 | 2 | 1 | 2 2* | 8 5* |
| Student Union Food Services | | | 1 | 1 | | | | 2 |
| Health Services Central Services & | | | 2 | | | | 1* | 4* |
| Maintenance Staging | 1 | | 2 | 1 | 2 | | | 3 |

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Examples of Projects Deleted from Data Base

Renovation Mc 45 - Renovation to Physical Sciences Building Total Project Cost = \$137,300 N.A.S.F. 9,000 \$/N.A.S.F. = \$ 15.25 Construction Cost = \$126,000 G.S.F. N/A Const. \$/G.S.F. N/A Furn. & Equip. as % of Construction Cost = Mech. & Elect. as % of Construction

= 20.3%

WA 71 - Alterations to Modern Languages Building Total Project Cost = \$60,212 N.A.S.F. 6,296 \$/N.A.S.F. = \$ 9.56 Construction Cost = \$12,690 G.S.F. N/A Const. \$/G.S.F. N/A Furn. & Equip. as % of Construction

Cost

Cost = 364.5% Mech. & Elect. as % of Construction Cost = N/A

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Addition WE 6 - Music Building Addition

Total Project Cost = \$97,928 N.A.S.F. 3.556 \$/N.A.S.F. = \$ 27.54 Construction Cost = \$82,343 G.S.F. 5,490 Const. \$/G.S.F. = \$ 15.00 Furn. & Equip. as % of Construction Cost = 11.5% Mech. & Elect. as % of Construction Cost = 36.1%

Mc 42 - Mills Memorial Library Addition Total Project Cost = \$1,699,040 N.A.S.F. 30,400 \$/N.A.S.F. = \$ 55.89 Construction Cost = \$1,263,445 G.S.F. 44,454 Const. \$/G.S.F. = \$ 28.42 Furn. & Equip. as % of Construction Cost = 28.5% Mech. & Elect. as % of Construction Cost 26.0%

Examples of Projects Deleted from Data Base

CS - 9

Projects of a Unique Type and Extraordinary Cost WE 21 - Observatory Total Project Cost \$ 886,612 N.A.S.F. 4,943 \$/N.A.S.F. 179.37 Construction Cost \$ 304,129 G.S.F. 7,640 Const' \$/G.S.F. 39.80 Furn. & Equip. as % of Construction Cost 182% Mech. & Elect. as % of Construction Cost 15.8% Mc 21 - Nuclear Science Building Total Project Cost \$3,550,450 N.A.S.F. 16,366 \$/N.A.S.F. \$ 216.94 Construction Cost \$ 917,000 G.S.F. 22,384 Const. \$/G.S.F. 40.97 Furn. & Equip. as % of Construction Cost 276.2% Mech. & Elect. as % of Construction Cost 34.7%

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Coot data were available. The source of all the non-university cost data used for comparative purposes, along with the names and locations of the buildings, is listed in Appendix 3.

Since all inter-jurisdictional cost comparisons were made on the basis of construction cost per gross square foot, analysis of university project costs was also related to this base. Thus, fees and contingency costs were calculated as a percentage of construction costs as were furniture and equipment costs.

As far as the time element is concerned, it should be noted that all comparisons were made in terms of tender dates due to difficulties encountered in determining the mid-point of the construction period for all the projects in the data base. Due to the dubious accuracy of structural indexes*, such as the Southam Ontario Region Index, no adjustments have been made for fluctuations in construction costs within the various years. Furthermore, all cost figures per unit of space were derived from actual tender amounts in the applicable year. No intro or inter year cost escalation adjustments have been made.

Net to gross ratio data was examined within the Ontario university system in various combinations for those capital projects included in the analysis and for various other systems and institutions.

Construction Cost Comparisons per Gross Square Foot As can be seen from CS-10, construction costs per gross square foot increased 41 per cent in the university sphere between 1964 and 1967 primarily as a result of construction cost escalation typical of the period, the construction of a significant number of science and engineering projects of high unit cost and the lack of decisive system-wide capital cost constraints. The incentive that was intended to be provided by 85 or 90 per cent funding, appears to have been insufficient to adequately control the unit costs of university construction.

However, following the introduction of the Capital Formula in line with more restrictive trends in the allocation of resources and a reduction in the number of science and engineering buildings, a dramatic reduction of the construction cost per gross square foot occurred. Thus, between 1967 and 1968, university construction costs decreased by 10 per cent and in the 1968 to 1970 period, increased by only 5 per cent.

CS - 10

| Construction Cost Comparisons/Gross Square Foot Ontario Educational Systems | | | | | | | | | |
|--|-------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------|--|
| System | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | | |
| University — Formual — Pre-Formula | 20.88 | 24.83 | 26.02 | 29.35 | 26.37 21.15 | 26.04 | 27.67* 24.53 | | |
| Community Colleges - Ryerson | 2000 | | | | | 21.13 | 22.00 | 28.05 | |
| High Schools - Composite - Technical or Vocational Elementary Schools Separate Schools | | 17.80 19.79 13.87 11.45 | 19.86 21.73 15.33 12.71 | 20.37 23.28 16.49 13.58 | 20.37 23.28 16.98 14.31 | 20.37 23.28 16.98 15.28 | 22.31 23.77 18.43 16.01 | | |

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CS - 11

| Construction Costs/Gross Square Foot - Ontario University System | | | | | | | | | |
|--|--|--|--|---|----------------------------------|----------------------------------|--|--|--|
| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | | |
| ALL TYPES Science Engineering Administration Arts Lecture Hall Library | 20.88 21.26 43.38 21.04 18.97 16.45 | 24.83 26.61 27.46 23.03 31.18 22.21 | 26.02 26.79 26.36 28.96 26.13 24.00 | 29.35 31.46 22.73 29.17 27.24 25.91 25.11 | 26.37 34.28 28.38 25.07 | 26.04 29.63 25.22 27.04 | 27.67* 34.55* 31.51 24.21* 25.73* 24.33 31.02 | | |
| Library Law Education Physical Education Student Union Food Services Health Services | 15.88 | 26.37 21.24 | 24.37 27.90 26.06 | 29.11 27.19 32.46 | 34.51 | 32.42 19.78 | 28.34* 28.62 27.47* | | |
| Central Services & Maintenance Staging | 29.46 | | 20.42 | 27.07 | 10.92 | | 26.76* | | |

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^{*}structural indexes are construction cost indexes based on a limited range of material and labour cost indicators that include neither mechanical and electrical nor labour productivity and market condition components

^{*}Revised 19th February, 1971

^{*}Revised 19th February, 1971.

High school costs have not undergone as dramatic a decrease as those in the University sphere, nevertheless, the 14 per cent increase between 1965 and 1967 decreased to 9 per cent between 1968 and 1970. In a similar fashion, the 19 per cent increase in elementary school costs between 1965 and 1967 decreased to 8 per cent between 1968 and 1970. In the 1968 to 1970 period, community college construction costs have similarly remained relatively level, increasing by only 16* per cent.

CS - 10 clearly indicates that:-

- (1) university construction costs per gross square foot escalated at twice the rate of all other educational systems in the Province between 1964 and 1967;
- (2) with the introduction of the formula in 1968, university costs have experienced roughly half the cost increase that has occurred in all other educational systems in the Province; (3) with the single exception of the Ryerson cost figure, the steps in the educational pyramid are reflected in a construction cost per gross square foot associated with the various levels.

Thus, in terms of 1970 costs, there is a dramatic 73 per cent difference between separate school costs at one end of the scale and university costs at the other end and a 13 per cent difference between university costs and community college costs. This latter difference is difficult to explain even if a 6 per cent allowance (based on office building cost differences per gross square foot) is made for building height differences between low rise and high rise structures.

Table CS-11, Construction Costs per Gross Square Foot, Ontario University System, indicates the wide range of construction costs experienced, not only from year to year within the various building types and within the total system, but also among the various types in any single year. Nevertheless, with a few notable exceptions, science, engineering, administration and arts building costs, have been consistently the highest experienced and staging, central services and maintenance and physical education building costs have been the lowest.

Between 1964 and 1970, there was an average difference of 93* per cent between the most expensive building type and the least expensive in each of the individual years. Even when the percentage figures for the two peak years, 1964 at 173 per cent and 1968 at 109* per cent, are omitted, the average annual difference between the dollars per gross square foot of the least expensive building type and the most expensive building type is 52* per cent.

CS - 12

| Construction Costs Comparisons/Gross Square Foot by Building Type | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|--|--|--|--|
| Building Type | 1965 | 1966 | 1967 | 1968 | 1969 | 197(| | | | |
| University Bldgs All Types | 24.83 | 26.02 | 29.35 | 26.37 | 26.04 | 27.6 | | | | |
| Non-University Bldgs: Pre-Engineered Metal Buildings | | | | | | | | | | |
| 10,000-50,000GSF Factories | 4.46 | 4.89 | 4.89 | 5.04 | 5.04 | 5.5: | | | | |
| - office area only | | 16.39 | 17.46 | 17.46 | 17.94 | 19.4(| | | | |
| Department Stores Office Buildings | 17.70 | 19.79 | 21.34 | 21.97 | 21.97 | 23.04 | | | | |
| - speculative* under 10 | | | | | | | | | | |
| storeys | 17.70 | 19.79 | 21.34 | 22.79 | 23.76 | 23.76 | | | | |
| - 10-20 storeys | 19.20 | 21.68 | 23.28 | 23.28 | 25.22 | 25.76 | | | | |
| Medical Centres Prestige Office Bldgs.** | 18.72 | 22.45 | 26.19 | 26.91 | 25.22 | 25.22 | | | | |
| - under 10 storeys | 23.62 | 26.09 | 29.10 | 31.04 | 31.04 | 21.04 | | | | |
| - 10-20 storeys | 27.55 | 30.17 | 33.95 | 33.95 | 33.95 | 31.04 | | | | |
| Movie Theatres | 25.70 | 30.07 | 32.01 | 32.98 | | 33.95 | | | | |
| Hospitals | | | 32.01 | 32.70 | 32.98 | 32.98 | | | | |
| - 200 beds & under | 28.57 | 32.15 | 33.95 | 34.92 | 34.92 | 34.92 | | | | |

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*Revised 19th February, 1971.

**Partitioned

^{*}Revised 19th February, 1971.

CS-13

Construction Cost Comparisons/Gross Square Foot Science & Engineering Buildings

| Jurisdiction | Building Name | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|-----------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| University | All Types | | 20.88 | 24.83 | 26.02 | 29.35 | 26.37 | 26.04 |
| – formula | Science | | | | | | | 29.63 |
| | Engineering | | | | | | | 25.22 |
| – pre-formula | Science | | 21.26 | 26.61 | 26.79 | 31.46 | | |
| • | Engineering | | | 27.46 | _ | 22.73 | | |
| private funds | Mining & Engineering | | | | | | | |
| | Queens | | | | | | | |
| | Northern Electric | | | | | | | |
| | Branch Laboratory | | | | | 00.55 | | |
| | Toronto | | | | | 20.75 | | |
| Commercial | Dow Chemicals | | | | | | 38.20 | |
| | Sarnia | | | | | | 30.20 | |
| | Polymer Control | | | | | 35.07 | | |
| | Sarnia | | | | | 33.07 | | |
| | Clarke Institute | | | | | | | |
| | Toronto | 24.54 | | | | | | |
| Provincial | Alcoholism & Drug | | | | | | | |
| | Toronto | | | | | 24.41 | | |
| | Research | | | | | 27.71 | | |

^{*}ASB Revised 19th February, 1971.

The combined impact of unit cost differences by building types and percentage variances between the most expensive and the least expensive buildings in any one year, indicates the desirability of a more detailed study of the construction cost characteristics of the individual building types. On the basis of historic cost data, it is clearly inappropriate to apply a system-wide dollar standard per unit of space on an individual project basis. Furthermore, it might be possible to employ a fluctuating macro dollar allowance per space unit depending on the types of buildings and therefore, the types of space required in the system.

1970

27.67*

34.55*

31.51

19.50

CS 12, Construction Cost Comparisons Per Gross Square Foot, with non-university buildings, indicates that in all years from 1965 to 1970, the average construction cost per gross square foot of university buildings was consistently higher than all the selected types of commercial buildings indicated except for prestige office buildings, movie theatres and hospitals. Indeed, it was not until 1968 that the costs of prestige office buildings, movie theatres and hospitals. Indeed, it was not until 1968 that the costs of prestige office buildings under 10 storeys exceeded the average dollar per gross square foot cost of university construction. Of particular note is the extraordinary consistency of costs from year to year for many of the commercial building types. This fact undoubtedly reflects the incentive in the commercial sphere to offset material and labour cost increases by more efficient programming, design and construction. It is probably safe to say that commercial projects, which in the preliminary stages, do not indicate a reasonable return on equity, do not get built. No such inherent cost control incentive existed in the university sphere prior to the introduction of the Capital Formula.

The following section on selected comparisons is incomplete and will be developed more extensively in the final cost report.

CS - 13, Construction Cost Comparisons, Science and Engineering Buildings — Within the university jurisdiction, one notable feature is the very low figure for the Queen's Mining Engineering Building. The cost of this project is low for the following basic reasons:—

- (1) since the project was privately funded, there was a necessity on the part of the university to live within a limited budget:
- (2) the building is lightly serviced with provision for heavier services as and when they are required;
- (3) no air-conditioning system was installed but provision has been made for future installation of the system when funds are available;

| CS – 14 | | CS – 15 | Const | truction Cost (| | ons/Gross So ion Building | | st | | | |
|-------------------------------------|------------------------|---|--|-----------------|---------------------------|------------------------------|--------------------|-------------|-----------------------|------------|------------|
| Mechanical & Electrical Costs-Onta | ario University System | | | AITS & AU | munstrane | on building | gs. | | | | |
| (% of Construction ((1964–1970) | Costs) | Jurisdiction Buildin | | mes 1963 1964 | | | 3 1964 1965 1966 1 | | | 1969 | 197 |
| University | | University | All Types | | 20.88 | 24.83 | 26.02 | 29.35 | 26.37 | 26.04 | 27 |
| Building Type | 10.11 12.00 | – formula | Arts & | | | | 20.0 | 25.50 | 28.38 | | 27. 25. |
| All Types | 1964-1970 | - pre formula | Administration | | 24.34 | 23.03 | 28.43 | 27.97 | 20.50 | 27.07 | 25. |
| Science | 33.9 * | Provincial | O.P.P. | | | | 201.5 | 21.71 | | | |
| Engineering | 36.2 * | | Headquarters | | | | | | | 29.28 | |
| Administration | 33.9 * | | Queen's Park 1) | | 24.54* | * | | | | 29.20 | |
| | 34.0 * | | 2) | | | | | | | 42.48 | |
| Arts | 31.2 * | Federal | R.C.M.P. | | | | | | | 42.40 | |
| Lecture Hall | 37.3 * | | Headquarters | | | | | | | 32.40 | |
| Library | 30.0 * | | Meteorological | | | | | | | 32.40 | |
| Law | | | Headquarters | | | | | | | 22.82 | |
| Education Physical Education | 33.4 * | Commercial | Dow Bldg. No. 1 | | | | | | 30.98 | 22.02 | |
| Physical Education | 32.7 * | | I.B.M. Building | | | | | | 30.96 | | 10 |
| Student Unions | 25.6 * | | 390 Bay | | | | | | | | 18.5 |
| Food Services | 29.2 * | | Canada Trust | | | 25.76 | | | | | 28.0 |
| Health Services | 34.1 * | | Thompson Building | | | 25.10 | | | | | 22 |
| Maintenance & Central | | | 10-20 Storey Office | | | | | | | | 22.0 |
| Services | 22.5 * | | Greb. Admin. Bldg. | | | | 22.39 | | | | 25.2 |
| Staging | 30.2 * | | Speculative Office Bldgs. | | | | 22.38 | | | | |
| | | | ***Under 10 Storeys | | | 17.70 | 10.70 | 21.21 | 22.50 | 11.00 | |
| Architectural Services Branch | | | 10-20 Storeys | | | | 19.79 | 21.34 | 22.79 | 23.76 | 23.7 |
| | | | | | | 19.20 | 21.68 | 23.28 | 23.28 | 25.22 | 25.2 |
| | | Architectural Ser | ervices Branch | | | | | | | | |
| | | *Revised 19th Fel | | ground parkin | g & service | e areas incl | uded in Pl | hase I only | ***a | additional | |
| | | CS - 16 | Const | ruction Cost C | Comparison aging Build | ns/Gross So lings | quare Foo | t | | | |
| | | Jurisdiction | Building Name | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 |
| | | | | | | | | 170, | 1700 | 1707 | 1710 |
| | | University – formula | All Types | | 20.88 | 24.83 | 26.02 | 29.35 | 26.37 10.92 | 26.04 | 27.6 |
| | | pre-formulaprivate funds | Staging | | | | | 27.07 | 10.72 | | |
| | | | Factories — - office area only | | | | 16.39 | 17.46 | 17.46 | 17.94 | 19.4 |
| | | Commercial | Pre-engineered metal Moore Business Forms Pilkington Plant | | | 4.46 | 4.90 | 4.90 | 5.04 12.87 9.70 | 5.04 | 5.5 |
| | | Architectural Server *Revised 19th Feb | | | | | | | 5.10 | | |

- (4) the building is of modular design and
- (5) the university required the consultants to live within the budget established or redesign the building at no extra cost to the university.

Comparison of this project with other projects in the Engineering class is meaningful in spite of the light servicing and lack of air-conditioning within the building. Even if the cost of the building increased by 34* per cent* of the construction cost, the project would still be 28* per cent less than the cost of engineering projects in the same year.

In comparing university and commercial projects, the most notable contrast is between the construction cost figure per gross square foot of the Northern Electric Branch Laboratory in Toronto and the Science and Engineering Building costs in the university system in the same year. Engineering building costs were 10 per cent greater and science building costs were 52 per cent greater than the corresponding costs of this project.

The Laboratory is a slab on grade two storey brick structure of 89,000 gross square feet and includes office, laboratory, conference, dining, cafeteria, switching model equipment and shipping and receiving areas. As can be seen from the plans of this project, maximum flexibility for the interchange of office and research laboratory space is made possible by the provision of a large open space in the centre of the building capable of being sub-divided into smaller areas on a six foot module. This area is contained within a ring corridor.

Outside the ring corridor are located service elements, such as washrooms, stairs, mechanical rooms, cafeteria and office areas for senior personnel. It should be noted that there is no difference between this project and university projects in terms of the extent of mechanical and electrical services. Indeed, the mechanical and electrical service component of this project is 41 per cent of the construction cost of the entire project. Thus, a comparison of the project with university projects is in many ways reasonable.

**the average per cent mechanical and electrical costs have been of total construction costs 1964–1970. Refer to CS – 14.

CS – 15, Construction Cost Comparisons Per Gross Square Foot, Arts and Administration Buildings – The most notable contrast in this table is the 35* per cent cost difference between the average cost of university arts and administration buildings in 1970 and the cost of the eight storey air-

| S - 17 Fees & Contingency Costs - Ontario University Sys (% of Construction Cost) | em |
|--|----|
|--|----|

| BUILDING TYPE | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 |
|---|------|------|------|------|------|-------|-------|
| A T TO T | 6.9 | 8.4 | 9.1 | 10.2 | 9.5 | 10.1 | 10.7* |
| ALL TYPES | 7.6 | 10.4 | 8.8 | 8.5 | 13.0 | 8.9 | 12.1 |
| Science | 7.0 | 7.5 | 0.0 | 9.4 | | 9.8 | 11.1 |
| Engineering | 7.1 | 7.5 | 6.5 | 9.4 | | | 10.0 |
| Administration | 7.1 | 7.0 | 9.7 | 8.8 | 9.4 | 10.0 | 10.5* |
| Arts | 7.6 | 7.8 | 7.1 | 6.5 | 11.0 | 10.0 | |
| Lecture Hall | 6.2 | 9.4 | 0.4 | | 9.2 | | 10.0 |
| Library | | 6.5 | 9.4 | 19.0 | 7.2 | | 10.0 |
| Law | | | | | | 11.6* | 10.2 |
| Education | | 10.1 | | | | | 10.2 |
| Physical Education | 6.6 | 8.1 | 9.4 | 6.5 | | 10.0 | 10.0 |
| Student Union | | | | | 9.5 | | 10.1* |
| Food Services | | | 9.4 | 9.4 | | | |
| Health Services | | | | 8.6 | | | |
| Maintenance and Central | | | | | | | |
| | 6.2 | | 9.0 | | | | 10.0 |
| Services | 0.2 | | | 8.3 | 8.1 | | |
| Staging | | | | | | | |

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CS

^{*}Revised 19th February, 1971.

| CS – 18 | Equipment & Furniture Costs - Ontario University System |
|---------|---|
| | (% of Construction Costs) |

| 1970 | 1964-197 |
|-------|--|
| | |
| 1604 | |
| | 17.4* |
| | 18.0 |
| 15.6* | 18.6* |
| 6.9* | 8.9* |
| 15.9* | 16.2* |
| | 17.0 |
| 38.3 | 32.9* |
| | 14.3 |
| | 12.5* |
| | |
| | 9.7* |
| *0.01 | 9.5* |
| | 15.3* |
| | 9.3 |
| | |
| 10.7* | 7.5* |
| | 53.8* |
| | 38.3 14.3 12.7* 3.8* 10.0* |

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CS - 19

Ontario University System

Equipment and Furniture as % of Total Project Cost

| Building Type | 1964-1970 |
|--------------------------------|-----------|
| All Types | 12.9 |
| Science | 14.5* |
| Engineering | 14.4* |
| Administration | 7.6* |
| Arts | 12.6* |
| Lecture Hall | 13.2* |
| Library | 21.2* |
| Law | 11.5 |
| Education | 9.8* |
| Physical Education | 8.3* |
| Student Union | 8.1* |
| Food Services | 12.2* |
| Health Services | 7.9 |
| Maintenance & Central Services | 5.1* |
| Staging | 33.9* |
| | 33.7 |

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conditioned I.B.M. building - complete with a computer floor, in London, Ontario.

Another noticeable feature of the table is the fact that administration and arts costs were 16* per cent greater than the cost of the 24 storey air-conditioned Thompson Building that has been constructed at the corner of Queen and Bay Street in Toronto. Refer to Appendix 4, page 40.

Fees and Contingency Costs Ontario University System

From an examination of CS - 17, fees and contingency costs as a percentage of construction cost, it is clear than an allowance of 10 per cent of the total construction cost is adequate

Equipment and Furniture Costs Ontario University System

CS - 18 indicates that an allowance of 15 to 17 per cent of the construction cost is, on average, sufficient to cover the equipment and furniture costs of university projects. The most notable exceptions to this are in the library, science, engineering and staging building categories. Indeed, if 15 per cent is taken as a system-wide average, then average library costs for furniture and equipment, between 1964 and 1970 have been about 119* per cent more, while the percentage difference for science buildings has been 20* per cent. The 259* per cent difference in the case of staging buildings indicates the 'loading' of these buildings with a disproportionate per cent of equipment in relation to construction cost. However, the fact that such 'loading' took place both before and after the introduction of the formula provides inconclusive evidence for any argument that universities are being forced to do this as a result of an inadequate dollar per net assignable square foot standard.

CS - 19 is provided to show the relationship between total project costs and equipment and furniture costs.

Construction Cost Escalation

Construction cost escalation percentages noted in CS - 20 are of two basic types. Both the Dominion Bureau of Statistics and the Southam Business Publication Indexes are based on material and labour costs only and do not take into account mechanical and electrical costs, labour productivity and market conditions. On the other hand, the construction cost escalation percentage figures developed from Department of University Affairs cost data and from the Toronto Real Estate Board cost data are based on actual percentage increases over the periods indicated. The percentages developed

^{*}Revised 19th February, 1971.

Superseding Revisions of 10th February, 1971.

^{*}Revised 19th February, 1971.

^{*}Revised 19th February, 1971.

rom these two latter sources of data, therefore, reflect mechnical and electrical costs as well as general market conditions. Thus, they probably offer a truer picture of the actual persentage fluctuations in construction costs than do the Dominion Bureau of Statistics and the Southam Business Publication Indexes.

The most significant aspect of this table is the relatively small percentage increase per year between 1968 and 1970 derived from the university cost data and from Toronto Real Estate Board data and the relatively large percentage increases derived from the Dominion Bureau of Statistics and Southam indices. The use of the Dominion Bureau of Statistics and Southam Indexes to determine an annual percentage escalation might, therefore, result in an exaggerated percentage allowance. Indeed, the Southam Index indicates the need for a percentage escalation allowance over three times that indicated by the university cost based figures.

In this regard, it is worth noting that costs generally have risen marginally over the past year and construction prices have remained depressed. However, should interest rates take a downward turn or government spending increase, a general increase in costs would probably occur.

In the case of certain building types, prestige office buildings, theatres and hospitals, there has been no increase in construction costs over the 1968-1970 period. Again, this points out the fact that in a number of cases there is either an inherent incentive or a policy based incentive to offset material and labour cost increases by more effective programming, design and construction. In terms of longer range trends, there is somewhat more consistency among the Dominion Bureau of Statistics, Southam and Department of University Affairs indices. The percentage average annual increase in the 1961 to 1970 period according to the Dominion Bureau of Statistics Index, is 6, according to the Southam Index is 7.3 and in terms of Department of University Affairs data for 1964-1970, it is 5.5.

Projections by Southam for the 1970-1975 period indicate an average yearly increase of 6 per cent with perhaps an initial increase above this amount in the first year or two following the next construction union settlements.

A similar opinion concerning construction escalation has been voiced by a number of quantity surveying firms contracted. Thus, a 6 per cent to perhaps an 8 per cent construction escalation allowance per year is probably reasonable over the next few years. (Refer to Appendix 5 Page 47)

CS - 20

Construction Cost Escalation

| . 1 | Index Type | Geographical | Building Type | | verage Annua | |
|----------------------|----------------------------|--------------|--------------------------------|-----------|--------------|-----------------|
| Index Source | ilidex Type | Coverage | | 1968-1970 | 1965-1967 | 1961-1970 |
| Danie - Climin | Derived from \$/GSF | Ontario | University | 2.6 | 9.1 | 5.5 (1964-1970) |
| Dept. of Univ. | Construction Cost Data | | Buildings | | | |
| Affairs Dominion | Composite—Materials & | Canada | All Non- | 7.0 | 5.9 | 6.0 |
| | Labour: 1961 base; | | Residential | | | |
| Bureau of Statistics | Labour. 1901 case, | | Buildings | | 4.5 | 7.3 |
| Southam | Composite-Materials & | Ontario | All Non- | 8.4 | 4.7 | 1.3 |
| Business | Labour; 1961 base; | | Residential & | | | |
| Publication | <u>Dato dary are a - 1</u> | | Non-Engineering | | | |
| 1 dolloudon | | | Buildings | | | |
| Toronto Real | Derived from \$/GSF | Toronto | Office Buildings | | | |
| Estate Board | Construction Cost | | - Speculative | 2.1 | 10.3 | |
| 200000 | Data | | Under 10 Storeys | 2.1 | 10.5 | |
| | | | - Prestige | 0 | 11.6 | |
| | | | Under 10 Storeys | 0 | 9.4 | |
| | | | Hospitals | 0 | 12.3 | |
| | | | Theatres | 2.4 | 10.3 | |
| | | | Department Stores High Schools | 4.8 | 7.2 | |
| | | | Pre-engineered | | | |
| | | | Metal Buildings | | | |
| | | | 10,000-50,000 GSF | 4.8 | 4.9 | |

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CS - 21

Regional Variations in Construction Costs State of Illinois, Board of Higher Education, Construction Cost Index

| Building Type | 1970 Index | 1st Quarter | Regional \$/Net Assignable Square Foot (@ 55/NASF Equated to Index Base of 100 | | |
|---|-------------|--------------|---|--------------|--|
| Science Administration Classroom Student Union Physical Education | Springfield | Edwardsville | Springfield | Edwardsville | |
| | 100.0 | 113.7 | \$55.00/NASF | \$62.53/NASF | |
| | 100.0 | 111.4 | \$55.00/NASF | \$61.27/NASF | |
| | 100.0 | 111.4 | \$55.00/NASF | \$61.27/NASF | |
| | 100.0 | 113.0 | \$55.00/NASF | \$62.15/NASF | |
| | 100.0 | 113.0 | \$55.00/NASF | \$62.15/NASF | |

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Regional Variations in Construction Costs Department of Education - High School Cost Variations

| Counties or Districts | | 1970 Cost Index | Regional \$/Net Functional Area |
|-----------------------------|-----------------|--------------------|---|
| Glengarry | Wentworth | Index | (@ 55.00 equated to index base of 100.0 |
| Prescott | Brant | | |
| Russell | Lincoln | | |
| Stormont | Haldimand | | |
| Carleton | Welland | | |
| Dundas | Oxford | | |
| Lanark | Norfolk | | |
| Grenville | Middlesex | | |
| Leeds | Elgin | | |
| Frontenac | Lambton | | |
| Renfrew | Kent | | |
| Lennox and Addington | Essex | 100.0 | |
| Hastings | Wellington | 100.0 | 55.00 |
| Haliburton | Waterloo | | |
| Peterborough | Perth | | |
| Northumberland | Huron | | |
| Prince Edward | Bruce | | |
| Victoria | Grev | | |
| Durham | Dufferin | | |
| Ontario | Simcoe | | |
| York | Muskoka | | |
| Peel | Parry Sound | | |
| Halton | | | |
| Nipissing (that part to the | south of and | | |
| excluding the Townships | of East Ferris, | | |
| Bonfield, Calvin and Papir | neau) | | |
| Nipissing | Algoma | | |
| Timiskaming | Cochrane | 105.0 approx. | 57.75 |
| Sudbury | | Too.o approx. | 57.75 |
| Thunder Bay | Rainy River | 110.0 approx. | (0.50 |
| Kenora | | approx. | 60.50 |
| | | | |

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Regional Variations in Construction Costs

There is presently no published construction index that offers a valid measure of intra-provincial construction cost differentials. The most popular indices such as those publishe by the Dominion Bureau of Statistics and Southam are macro in nature and relate to national and provincial rather than to municipal construction cost averages.

In view of the desire to equitably distribute funds to the universities, consideration of possible regional variations in construction costs should be made. If indeed, as Vern Bayley, the Chief Estimator of Ellis-Don indicates, construction costs in

- Sudbury are 10-15 per cent above average (due primarily to climate, labour productivity and material transportation factors),
- (2) Windsor are 5-7 per cent above average (due mainly to labour availability factors),
- (3) and in Ottawa, are 2 per cent below the average of the rest of the system (due mainly to high labour productivity then some adjustment to the dollar allowance per unit of space should be made for universities in these cities if they are not to be either penialized or overfunded.

An example of the kind of index necessary for system-wide capital project funding is that in use in the State of Illinois. This index was developed and is updated by gathering basic material and labour cost data from each locale and weighting these data according to each cost elements share of the total cost of the building types considered. These data are next modified by applying labour productivity factors to the appropriate trades in the locales considered. Finally, a market condition sur-charge is added for each locale to give the construction cost index for the area considered.

CS – 21 indicated the effect of the use of such an index using the Illinois indices for two cities, Springfield, the state capital, located in the middle of the State and Edwardsville, located immediately north of New Orleans. As can be seen, in the case of a science building, \$55.00 per net assignable square foot allocated in Springfield equates to \$62.53 per net assignable square foot in Edwardsville. In terms of all five building types indicated, an 11-14 per cent greater dollar per net assignable square foot allocation is necessary for projects in Edwardsville than is required for those in Springfield.

In Ontario, the Department of Education acknowledges certain general regional differences in construction costs by providing 5 per cent greater funds for high schools constructed in the Timiskaming, Sudbury, Algoma and Cochrane area and 10 per cent greater funds for high schools in the Thunder Bay,

tainy River and Kenora area. CS - 22 is a detailed list by chool district indicating the percentage variations in funding provided for high schools by the Province.

Design Effectiveness

What the universities pay for when constructing new faciliies is the gross square feet constructed. However, the reason or constructing facilities is the assignable square footage vailable within the building. Thus, the higher the net assignable square foot to gross square foot ratio, the more effective the building design is in yielding the desired assignable square footage at minimum capital cost. As can be seen from CS -23, the relatively low figure of 58.3* per cent for all building types in the Ontario University System between 1964 and 1970 suggests that design effectiveness criteria have not been exercised or articulated as fully as might be desirable. An examination of CS - 24* indicates the wide range of net assignable square foot to gross square foot ratios at the various universities for the buildings analyzed in this study and their general inefficiency when compared with the various Colleges of Applied Arts and Technology projects. This is true even with the improved university system figure of 61.4 per cent in 1970.

There is a startling difference between the Ontario figures and those of Colorado and Nebraska. It should be noted that the comparison of the Ontario System with those of these two states, is on the same net assignable square foot basis. In the case of Nebraska, the institutions most comparable to those in Ontario as far as scale and graduate programs are concerned are Craighton University, the University of Nebraska at Lincoln and the University of Nebraska at Omaha. Most of the buildings in both state systems are largely the result of post-war building programs. In the case of Colorado, all the institutions except Colorado State College, are emerging and, therefore, have limited graduate programs, and with the exception of Fort Lewis, all the institutions are of the same scale in enrolment levels as those in the Ontario System. It is, therefore, reasonable to state that a 60 per cent to 67 per cent net assignable square foot per gross square foot range is possible for new construction within a university system.

It should be noted that the 60 per cent figure indicated for New Brunswick was recommended recently by Taylor, Lieberfeld and Heldman. It is clearly an extremely safe figure to recommend. Little incentive to improve the design effectiveness of buildings within the system will result from the use of such a ratio.

Programming

Clearly, cost control of the dollars spent per net assignable square foot is but one of the two major aspects of capital cost control. The other is control of the amount of net assignable square feet required to satisfy the academic program requirements. To quote the 1960 Educational Facilities Laboratories report on 'The Cost of a Schoolhouse'-"If any conclusion emerges from 'this study' it is that the area per pupil is at least as great a factor as unit cost in accounting for the most dramatic contrasts between the costs of schools".

The technique illustrated below is probably the most useful detailed method of programming capital facilities presently available. Essentially, the approach is as follows: -

- (1) the various types of spaces required are divided into two categories-scheduled and non-scheduled;
- (2) space factors for all scheduled spaces such as classrooms and laboratories, are defined in terms of three elements:-
 - (a) net assignable square feet per station (design element)
 - (b) station use (design and utilization element)
 - (c) room use (utilization element)

Thus, if a classroom has-15 net assignable square feet per station-30 hours per week or room use and-50 per cent station occupancy when room is used, the the space n.a.s.f./station

factor = % station occupancy x hrs./wk. room used 15 30 x .50 1 n.a.s.f./student contact hour

- (3) space factors for non-scheduled spaces are calculated in terms of elements peculiar to each. Thus, the space factor for offices is expressed in terms of net assignable square feet per full-time equivalent staff member requiring an office. Library space factors are expressed in terms of net assignable square feet per volume and net assignable square feet per station.
- (4) following the definition of the academic programme in terms of user requirements such as student contact hour requirements and space type requirements, the space factors developed are used to determine total net assignable square foot requirements.

CS - 23

Ontario University System Design Effectiveness: Net Assignable Square Foot/ Gross Square Foot Ratio

| Building Type | 1964-1970 |
|--------------------|-----------|
| All Types | 58.3* |
| Science | 56.2 |
| Engineering | 58.4 |
| Administration | 67.9* |
| Arts | 51.8* |
| Lecture Hall | 41.0 |
| Library | 63.9 |
| Law | 67.3 |
| Education | 60.2* |
| Physical Education | 63.9 |
| Student Unions | 58.9* |
| Food Services | 69.2 |
| Health Services | 56.4 |
| Maintenance and | |
| Central Services | 73.2* |
| Staging | 69.1 |
| | |

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^{*}Revised 19th February, 1971.

^{*}the net to gross ratios indicated for the College of Applied Arts and Technology were developed from data supplied by the CAAT Branch of the Department of Education. The Applied Arts and Technology Branch now comes under the Ministry of Colleges and Universities. The New Brunswick, Colorado and Nebraska net to gross ration data was obtained from various Taylor, Lieberfeld and Heldman studies.

Design Effectiveness
Selected Educational Institutions & Systems

| | 0.1 | TARIO | | NEW BR | RUNSWICK | COLO | RADO | NEBR | ASKA |
|-------------------|---------------------|---|----------------|----------------------------|---------------|---|---------------|---------------------------------|---------------|
| University | NASF/GSF* | College of Applied Arts & Technology | NASF/GSF % | University or College | NASF/GSF % | University or College | NASF/GSF % | University or College | NASF/GSF % |
| All Listed | 58.5 (1964-1970) | All Listed | 60.8 (1969) | All Listed | 60.0 | All Listed | 67 | All Listed | 68 |
| | 61.4 (1970) | | | | | | | | |
| Brock | 53.8 | Seneca Phase 1/68 | 60.7 | U, of N.B. | | U. of Colora | io. | Craighton U. | 78 |
| Carleton | 54.6 | Seneca Phase 2/69 | 63.6 | College St. Louis | | Colorado State U. | | Kearney State | |
| Guelph | 54.1 | St. Lawrence/68 | 59.4 | U. of N.B. St. John | | Colorado School of Mines | | U. of Nebraska at Lincoln | 66 |
| Lakehead | 59.0 | St. Clair Phase 2/68 | 60.0 | College Maillet | | Fort Lewis | | U. of Nebraska at Omaha | 67 |
| McMaster | 57.8 | Sheridan Phase 1/69 | 63.2 | U. of Moneton | | Metro State College | | Wayne State College | 66 |
| Ottawa | 64.1 | Georgian 1/68 | 63.6 | St. Thomas | | Colorado Sta | te | Conege | |
| Queen's | 62.4 | Georgian 2/69 | 67.0 | St. Josephs | | Adams State College | | | |
| Erindale Trent | 60.0 61.3 | Georgian sA/70 | 67.1 | Ecole Norma Mt. Allison | le | Western State Southern Colorado State Colleg | | | |
| Waterloo | 63.0 | | | College de Bathurst | | | - | | |
| Western | 58.4 | | | College Jesus Marie | - | | | | |
| Windsor | 64.0 | | | Teachers' College | | | | | |
| York | 60.3 | | | | | | | | |

^{*}These figures reflect the net/gross ratios of all projects selected for analysis; they do not indicate the net/gross ratios of all facilities at each individual university.

Programming - Contact Hour Requirements

| COURSE | Lecture Rooms | Classrooms & Labs | Seminar |
|---|------------------|----------------------|------------|
| COOKSE | Kooms | & Labs | Rooms |
| ELEMENTARY | 500 Students | 500 Students | 500 Studen |
| Philosophy of Education | | 500 | 500 |
| Educational Psychology | 500 | 500 | 500 |
| School Administration Curriculum: Theory and | 500 | 500 | |
| Practice | | 500 | 500 |
| Français | | 1,000 | |
| English | | 1,000 | |
| Mathematics | | 1,000 | |
| Social Studies | | 1,000 | |
| Science | | 500 | |
| SUB TOTAL | 1,000 | 6,500 | 1,500 |
| SECONDARY | 300 | 300 | 300 |
| | Students | Students | Students |
| Professional Practice and | | | |
| Administration | 300 | | 600 |
| Curriculum Theories and | | | |
| Program Development | 300 | | 600 |
| Philosophy and History | | | |
| of Education | 100 | | 100 |
| Contemporary Issues in Education | 100 | | 400 |
| Sociology of Education | 100 | | 100 |
| Educational Psychology | 75 | | 100 75 |
| Child Psychology | 75 75 | | 75 75 |
| Adolescent Psychology | 75 | | 75 75 |
| Personality Development | 15 | | 13 |
| in Education | 75 | | 75 |
| Français | 150 | 300 | , , |
| English | | 200 | |
| | | | |

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Programming - Translation from Contact Hours to Net Assignable Square Foot Requirements

| | | | | | SPA | CE 3 | TYPE | | | | |
|---------------------|-------------------|-------------------------------------|-------------------------|--|--|------------------------|---|---|-------------------------|-------------------------|--|
| Student Category | | | Lecture Rooms | | | Classrooms & Labs | | | Seminar Rooms | | |
| Carry | Students | Contact Hour Requirement | Space Factor | n.a.s.f. Requirement | Contact Hour Requirement | Space Factor | n.a.s.f. Requirement | Contact Hour Requirement | Space Factor | n.a.s.f. Requirement | |
| Elementary | 500 | 1,000 | .556 | 556 | 6,500 | .833 1.667 2.222 | 5,415 10,836 14,443 | 1,500 | 1.111 | 1,667 | |
| Secondary | 300 | 1,600 | .556 | 890 | 2,440 [4,842] | 1.667 | 2,033 (4,033) 4,067 (8,072) 5,422 (10,759) | 2,325 | 1.111 | 2,583 | |
| Graduate | 200 | 800** | .556 | 445 | 3,000** | .833 1.667 2.222 | 2,499 5,001 6,666 | 2,000** | 1.111 | 2,222 | |
| TOTAL | 1,000 | 3,400 | .556 | 1,890 | * 11,940 [17,842 | 2] 1.667 | 9,946 (14,863) 19,904 (29,744) 26,531 (39,645) | 5,825 | 1.111 | 6,472 | |
| | Ottawa Program | | | + ++ 3,000 (9,400) | | | **** *** 25,500 (34,250) | | | 8,800 | |
| | | in all teacl | ning spao n, library | our requirement es except the and learning | economic | nusic, art | es except gym- t, library, home ed. demonstration ation studies spaces | +excluding th ++including th ()n.a.s.f. base | ne auditor | rium | |
| | | **estimated ***including gymnasiu | | s except the | I l excluding contact hour requirements requiremen | | s, the gymnas | | is in all spaces except | | |

Architectural Services Branch 18th December, 1970

CS - 27

Programming - Area Requirement Comparisons

| | | | DUA |
|-------------------------------|--|----------------|----------------|
| Category | Item | Ottawa Program | Calculations |
| | | 1,000 Students | 1,000 Students |
| Lecture Rooms | -tiered amphitheatre | 1,400 | |
| | -kiva | 1,600 | |
| | | 3,000 | 2,000 |
| Classrooms & Labs | -multipurpose class- rooms -methodology & practice | 8,100 | |
| | teaching area | 3,600 | |
| | -science rooms | 4,800 | |
| | -geography | 1,200 | |
| | -mathematics | 1,200 | |
| | -commercial | 3,600 | |
| | - music | 1,250 | |
| | -art | 1,200 | |
| | -francais and english | 3,600 | |
| | -language labs | 1,200 | |
| | -phys. ed. demonstration | n 1,800 | |
| | labs -guidance | 1,800 | |
| | -administration studies | 900 | |
| | | 34,250 | 30,000 |
| Seminar Rooms | | 8,800 | 7,000 |
| Administrative | -faculty offices | 8,000 | 8,000 |
| Facilities | - main administrative | 2,500 | 2,500 |
| | -storage | 600 | 600 |
| | -dean's office | 150 | 150 |
| | | 11,250 | 11,250 |
| Other Miscella- | -gymnasium | 7,200 | - |
| neous Facilities | -graduate studies | 900 | 900 |
| | -lounge | 1,200 | - |
| | -storage area | 2,600 | 2,600 |
| | -carrels & prep room | 200 | 200 7,000 |
| | -learning materials lab | 7,000 | 9,000 |
| | -library | 9,000 400 | 400 |
| | - student office | 6,400 | 5,400 |
| | -auditorium -reception & mainten- | 0,400 | 2, |
| | ance area | 300 | 300 |
| | -open area | 3,600 | 1,500 |
| | -staff lounge | 1,200 | 800 |
| | -first aid room | 500 | 500 |
| | -conference rooms | 1,200 | 800 |
| | -interview cubicles | 150 | 150 |
| Architectural Services Branch | r- | 41,850 | 29,550 |
| 18th December, 1970 | TOTAL | 99,150 | 79,800 |

CS - 28

Programming
Cost And Area/Student Comparisons

| Basis | No. of Students | N.A.S.F. Total | N.A.S.F./ Student | \$'s/N.A.S.F. Index = 227.7 | Total Estimated Cost Index = 227.7 |
|---------------------|-----------------|-------------------|----------------------|--------------------------------|--|
| Ottawa Program | 1,000 | 99,150 | 99 | 57.99 | 5,749,922.00 |
| DUA Calculations | 1,000 | 79,800 | 80 | 57.99 | 4,627,602.00 say 4,700,000.00 |

Architectural Services Branch 18th December, 1970.

An actual application of this technique to the Ottawa Colleg of Education project is illustrated in CS-25, 26 and 27. The analysis must be qualified to the extent that it is based on rather general programme information. Contact hour requirement information of the type illustrated in CS-25 was translated as shown on CS-26 into net assignable square foot requirements. These contact hour based requirements plus the requirements for non-scheduled spaces are tabulated in CS-27.

As can be seen, there is a dramatic twenty-four per cent difference between the net assignable square foot requirement generated by the Department of University Affairs calculations based on generally accepted space factors and those indicated in Ottawa's program. CS 28 illustrates the translation of the total space requirements to total project dollar requirements. The Department of University Affairs calculations based on Ottawa's academic programme indicate that the estimated cost of the project should be \$1,000,000 less than that requested by the University.

Greater use of programming techniques which take into account design and utilization factors and enable analysis of space requirements in a rational manner are clearly of assistance in project cost control at the programming stage.

Incomplete Components of the Study

As stated in the preface, this report is interim in nature in that:—

- specific detailed comparisons among university buildings and between university and non-university buildings have yet to be completed; (Refer to Appendix 4.)
- (2) -the data base of non-university buildings needs to be strengthened in terms of both the quantity and quality of data;
- (3) a closer examination needs to be made of the subelements of major components of project cost and their inter-relationships within individual building types and among the various building types;
- (4) detailed study of net to gross ratios by institution and by building type is required;
- (5) an analysis of capital and operating cost trade-offs related to university and non-university buildings is required;
- (6) a thorough study of cost escalation and regional variations in construction cost is required;
- (7) a general summary of cost control comments is required.

J.M. Plumb Architectural Services Branch

APPENDIX 1

PROJECT COST ELEMENTS

A) Construction Cost Elements

- 1. Architectural and Structural:
 - Indirect and General Expenses
 - Substructure
 - Horizontal Structural Elements
 - Exterior Cladding
 - Interior Vertical Elements
 - multi-Storey Elements
 - Interior Finishes
- 2. Building Equipment
- 3. Built-in Furniture (non-instructional)
- 4. Built-in Furniture and Equipment (instructional)
- 5. Cash Allowance
- 6. Mechanical:
 - Plumbing and Drains
 - Heating, Ventilating, Air Conditioning
- 7. Electrical:
 - Transformers and Main Distribution
 - Power and Lighting Distribution
 - Lighting Fixtures
 - Underfloor Duct System
- 8. Site Development
- 9. Federal Sales Tax:
 - amount of sales tax to be recovered from Federal
 Government
 - usually 3% of General Contract Tender

B) Fee and Contingency Cost Elements

- 1. Fees
 - Architects' and Consultants' Fees
 - Specialty Consultants' Fees
 - Tests, surveys, site representative
 - Miscellaneous and administrative fees

2. Contingency

- general contingency

C) Furniture and Equipment Cost Elements

- 1. Furniture
 - floor coverings
 - blinds
 - furniture, furnishings, fixtures
 - office equipment

2. Equipment

- teaching and research equipment

Architectural Services Branch 15th December, 1970.

APPENDIX 2

Data Base Contents-University Buildings

Administration

| Year | Capital Project No. | Building Name |
|------|---------------------|------------------------------------|
| 1970 | WA67 | Admin. Building-1972 |
| 1969 | _ | _ |
| 1968 | | _ |
| 1967 | CA 25 | Admin. Building |
| 1966 | WI 03 | Windsor Hall (South Wing) |
| 1965 | _ | |
| 1964 | WI 09 | Windsor Hall Tower (North Wing) |
| | | |

Science

| 1970 | Mc 46 | Life Sciences I |
|------|-------|-------------------------------------|
| 1969 | OT 34 | New Child Study Centre |
| 1968 | GU 25 | Swine Clinic |
| *, | GU 26 | Animal Holding Unit |
| 1967 | CA 19 | Controlled Environment – Biology |
| | GU 07 | Physical Sciences I |
| | GU 16 | O.V.C. Anatomy Extension |
| | Mc 33 | Large Scale Experiments I |
| 1966 | GU 04 | Crop Science (Herbicide) |
| 1700 | GU 05 | Animal Science (Nutrients) |
| | WA 17 | Math and Computer Bldg. |
| 1965 | CA 08 | Physics Building |
| 1700 | Mc 12 | Senior Sciences Complex |
| | YO 22 | Behavioural Sciences |
| 1964 | WE 05 | Natural Sciences Building |
| | YO 15 | Farquharson Life Sc. Bldg. |
| | WI 02 | Biology |
| | | |

Engineering

Engineering Rldg Expansion

| 1970 | WA 35 | Elignicethis pigg. Expanse |
|------|-------|----------------------------|
| | CA 58 | School of Architecture |
| 1969 | OT 14 | Engineering |
| 1968 | | - |
| 1967 | CA 29 | Engineering III |
| 1966 | | - |
| 1965 | CA 09 | Engineering II |
| | QU 04 | Chem. Engineering |
| 1964 | _ | - |

| Year | Capital Project No. | Building Name | Year | Capital Project No. | Building Name | Year | Capital Project No. | Building Name |
|---------|---|---------------------------|-------|------------------------|---------------------------------|--------------|--------------------------|--------------------------------|
| | Art | es | | Ţ | .aw | 1966 | WA 09 | G |
| | | | | L | za w | 1965 | | Campus Centre |
| 1970 | YO 44 | Admin. Studies Bldg. I | 1970 | OT 49 | Law Building | 1964 | | |
| | WE 34 | Social Sciences Complex I | 1969 | | Law Dullumg | 1704 | _ | |
| | LAK 32 | Academic Building-1970 | 1968 | _ | | | | |
| 969 | CA 49 | Arts I | 1967 | | | | Food S | ervices |
| | Mc 35 | Humanities & Social | 1966 | _ | | | 10045 | |
| | | Sciences III | 1965 | _ | | 1970 | | _ |
| 968 | Mc 17 | Psychology Building | 1964 | | _ | 1969 | _ | Man. |
| | WA 28 | Arts III (Humanities) | 1,0. | | | 1968 | _ | _ |
| 967 | TR 07 | Lady Eaton College | | | | 1967 | CA 17 | University Food Services |
| | TR 14 | Traill College Addition | | Fdu | cation | 1966 | WA 10 | Food Services Building |
| 1966 | CA 13 | Social Science Building | | Duu | Oation | 1965 | | - |
| 965 | GU 02 | Arts I | 1970 | OT 52 | Faculty of Education Bldg. | 1964 | NAME. | |
| | Mc 13 | Humanities & Social | | YO 63 | College "F" | 1,01 | | |
| | | Sciences II | | YO 59 | Atkinson College—II | | | |
| | QU 05 | Humanities | | ER 13 | Library-Meeting Place- | | Health S | ervices |
| 964 | Mc 05 | Humanities & Social | | | Lecture Theatres—Athletics | | 110011111 | 01 / 1003 |
| | | Sciences I | | | and Related Facilities | 1970 | | |
| | YO 13 | Founder's College | 1969 | QU 63 I | McArthur College | 1969 | _ | <u> </u> |
| | WE 07 | Talbot College | | OU 63 II | McArthur College | 1968 | | _ |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Taibot College | 1968 | ~ | - | 1967 | WA 26 | Health Services Building |
| | | | 1967 | | | 1966 | _ | - |
| | Lecture | e Hall | 1966 | _ | | 1965 | _ | _ |
| | | | 1965 | WE 12 | Alumni Hall | 1964 | _ | |
| 970 | _ | | 1964 | _ | | | | |
| 969 | _ | _ | | | | | | |
| 968 | YO 42 | Lecture Hall II | | | | | Mainte | nance |
| 967 | BR 05 | Theatre Lecture Hall | | Physical | Education | | | |
| 966 | | _ | | | | 1970 | OT 56 | Maintenance Services Bldg |
| 965 | WA 08 | Arts Lecture Hall | 1970 | OT 04 | Physical Education Bldg. | 1969 | - | _ |
| 964 | YO 21 | Lecture Hall Unit I | 1969 | QU 48 | Physical Education Complex | 1968 | _ | _ |
| | | | 1968 | _ | - | 1967 | _ | - |
| | | | 1967 | WI 19 | School of Physical Ed. | 1966 | Mc 23 | Campus Services Building |
| Library | | 1966 | WA 14 | Athletics and Physical | | WA 12 | Main Stores and Commissa | |
| | | | | | Ed. Bldg. | 1965 | | _ |
| 970 | OT 13 | Central Library | 1965 | YO 28 | Physical Ed. and Rec. Centre | 1964 | CA 05 | Maintenance |
| 969 | | _ | 1964 | Mc 11 | Physical Education School | | | |
| 68 | WE 20 | New Main Library | | YO 16 | Burton Auditorium | | | |
| | YO 36 | Central Library-I | | | - Second Figure 1 | | Stagi | ng |
| 967 | TR 12 | Library | | Student | Unions | | | |
| 966 | GU 06 | New Library | | | | 1970 | _ | _ |
| 965 | BR 01 | Library (Brock Tower) | 1970 | OT 41 | University Centre | 1969 | _ | _ |
| 64 | YO 11 | Science Library | | WE 38 | University Community | 1968 | QU 62 | Interim Administration |
| | | 7 | | | Centre | | WE 27 | Staging Complex I |
| | | | 1969 | | - | 1967 | TR 18 | Multi-Purpose Staging Bldg |
| | | | | | | | | |
| | | | 1968 | CA 31 | University Union | | | - Matti-1 di pose Staging Bidi |
| | | | 1968 | CA 31 WI 27 | University Union Student Centre | 1966 1965 | _ | |

APPENDIX 3

Data Base Contents-Non-University Buildings

Georgian College

Firms

Barrie

| Source | Building | Location | Source | Building | Location |
|---|---|--|---|--|---|
| Federal Dept. of Public Works | RCMP Headquarters | Toronto | | Loyalist College Niagara College | Belleville Welland/St. Catharines |
| | Meteorological Head- quarters | Toronto | | St. Lawrence College Confederation College | Kingston Thunder Bay |
| Helyar, Vermeulen Rae & Mauchan Lt | d. tory & Office Bldg. | Sarnia | | Durham St. Clair | Oshawa Windsor |
| | Polymer Control Laboratory | Sarnia | Ryerson | Jorgenson Hall Technical Annex | Toronto Toronto |
| Provincial Dept. of Public Works | Clarke Institute of Psychiatry Alcoholism and Drug Addiction Foundation Teachers' College 1) | Toronto Toronto St. Catharines | Department of Education | High Schools 1) 2) 3) 4) | Aurora Mississauga Sudbury North Bay |
| | 2) Ontario Fire College O.P.P. Headquarters Queen's Park Phase 1) 2) | Sudbury Gravenhurst London Toronto Toronto | Canadian Architect & Applicable Architectural Firms | Northern Electric Laboratory Canada Trust Greb Administration Building | Toronto Toronto Kitchener |
| Ellis-Don Ltd. | I.B.M. Building Thomson Buildingq 390 Bay Street Pilkington Plant | London Toronto Toronto Concord, Ontario | | School of Nursing West Park Vocational School Oakville Centennial Project Moore Business Forms | North York Toronto Oakville Trenton |
| Toronto Real Estate Board —Unit Costs 1970 | Public Schools High Schools Vocational Schools Movie Theatres Office Buildings Factories Medical Centres Department Stores Pre-Engineered Metal | Toronto | Architectural Serv 17th December, 1 | Etobicoke Education Centre | Etobicoke |
| Department of Education & Applicable Architectural | Buildings Conestoga College Sheridan College Seneca College | Kitchener Brampton/ Oak ville North York | | | |

APPENDIX 4

The following notes are excerpts from a Cost and Use Comparison of the Arts I Building of Carleton University with a speculatively built office building. The notes were originally prepared by the quantity surveying consultants to Carleton University and therefore represent a specific example of one university's view of cost comparisons between university and non-university buildings. The underlining has been added. This analysis was done in Nov. 1968.

Cost per Square Foot of Gross Floor Area

| Cost | Arts I | Commercial | Difference |
|-------------------|---------|----------------|------------|
| Substructure | 0.90 | 0.90 | |
| Frame | 4.50 | 4.00 | 0.50 |
| External cladding | 6.00 | 4.00 (or less) | 2.00 |
| Internal vertical | 1.50 | 0.50 (or less) | 1.00 |
| Finishes | 2.50 | 2.00 (or less) | 0.50 |
| Electrical | 3.00 | 2.50 | 0.50 |
| Mechanical | 6.00 | 5.00 | 1.00 |
| Vertical access | 2.00 | 2.00 | _ |
| Miscellaneous | 1.50 | 0.50 | 1.00 |
| Overhead & profit | 2.80 | 2.30 | 0.50 |
| TOTALS | \$30.70 | \$23.70 | \$7.00 |

Note: It is extremely unlikely that a developer would construct a speculative office building of such dimensions unless forced to by site restrictions. A minimum area of 10,000 to 12,000 square feet per floor is generally aimed at, being more economic to construct and more readily let to a wider cross section of tenants.

Substructure

(Excavation, foundations and backfill) N.B.—In the case of an actual office development, this would be higher than 0.90 as it would in all probability reflect the cost of approximately 20,000 square feet of underground parking.

Frame

(Reinforced concrete columns, beams and slabs)

Difference of 0.50 per square foot.

- Reasons (1) Less stringent testing and inspection requirements
 - (2) A tendency to design closer to the code, in the case of the commercial building.

External Cladding

(External walls and roof covering) Difference of \$2.00 per square foot. Reasons (1) Less expensive materials. Arts I cladding cost is based on a double glazed curtain walling

system with extensive use of solar bronze glass similar to that used on the Administration and to a lesser extent, Union Building. Such a system costs at least \$10.00 per square foot and this last figure was used in making up the Arts I cost. Office Building cladding is based on a low cost double glazed curtain wall system, using standard details, most economic module etc. at \$6.66 per square foot.

Internal* Vertical

(Internal partitions and doors, glassed partitions, etc.) Difference of \$1.00 per square foot. Reasons (1) Scope of work is smaller. Speculatively built office buildings do not normally include partitions apart from those in the service cores. The tenant leases open floor area and erects partitions at his own cost.

Finishes

(floor, ceiling and wall finishes) Difference of \$0.50 per square foot. Reasons (1) Scope of work smaller as there are few internal partitions. (2) Less expensive materials. The speculatively built building usually has a standard finish on the typical floors for washrooms, floors, walls and celinings. This standard is normally pretty basic, e.g. 1/8" V.A.T. on floors, 2' x 4' lay-in ceiling tile, paint on walls, vinyl fabric on elevator lobby walls and tile on washroom walls and floor. Any special finishes required by tenants are extras and paid for by the tenant. (3) Less stringent inspection.

Electrical

(Complete electrical system) Difference of \$0.50 per square foot. Reasons (1) The use of lower quality less expensive fittings. (2) Lower overall standard of installation. (3) Less stringent inspection.

Mechanical

(Plumbing, drainage, heating, ventilating and air-conditioning) Difference of \$1.00 per square foot. Reasons (1) Simpler, less expensive design. (2) Lower overall standard of installation. (3) Less stringent inspection.

Vertical Access

(Elevators and stairs) No difference.

Miscellaneous

(Window cleaning cleaning equipment, steel lockers, maintenance panel connections, special finishes and equipment to Art, Music, Journalism, etc. areas) Difference of \$1.00 per square foot. Reasons (1) The speculatively built building as

*note that the cost comparisons in section 5, page 13 of this study were made on the basis of partitioned offices.

mentioned before provides open floor area, heating, lighting, washroom facilities and little else. The average academic building on the other hand is fitted out and finished to suit the individual requirements of known occupants.

Indirect and General Expenses

(Contractor's indirect and general expenses, head office overhead and profit) Difference of \$0.50 per square foot. Reasons (1) Less stringent inspection and testing. (2) Simpler building with fewer sub-trades to co-ordinate etc. (3) Once above-ground level, delays are unlikely and the project can proceed quickly. (4) The knowledge that "tenants' extras" are usually highly profitable.

Cost Conclusions

From the foregoing it is evident that: (1) The Arts I space requirement could be constructed for considerably less than \$31.00 per square foot. (2) To achieve a lower unit cost less expensive materials and perhaps a lower standard of finish would have to be accepted, particularly with respect to external walls, internal finishes and mechanical installations.

Further reductions in cost could be made by:

- a) Altering the plan form of the building to improve the wall to floor ratio, and the assignable to gross floor area ratio.
- b) Lowering the standard and degree of control of heating and ventilating and electrical installations.
- Reducing the standard and extent of finishes and partitions.
- d) Siting of the building in a different location.

(3) If a ceiling of say \$26.00 per square foot were put on new academic space, buildings such as the Steacie, Loeb, Administration and University Centre could not be constructed without additional financing.

Conclusions

- (1) The comparison drawn is between a building designed 100% to provide open floor area for office use on a "take it or leave it" basis, and an academic building designed to meet the particular requirements of a variety of users.
- (2) If the office area of the Arts I Building were contained in say nine contiguous floors, then perhaps this portion could be compared with a commercial building. Reference to the spatial relationship diagrams in the brief, however, indicates that such a layout is undesirable from the user's point of view, as areas of common use, such as the language lab cannot be located to the best advantage of the various users.

Few valid comparisons can be drawn between a commercial office building and an academic building.

Facilities Provided

- 1. An office building is designed to provide serviced office space on a number of typical floors, parking space in either basement or surface lots and perhaps some form of canteen facility.
- 2. An academic building must provide space serviced and finished to meet the widely diversified needs of a variety of users. Office space is of course also provided, but the primar function is to provide teaching and research facilities whether it be in classrooms, laboratories or studios.

Of the total assignable area in an academic building, something between 15 and 40% is normally office space. The current cost of an Arts Building in Ontario is approximately \$30.00 per square foot, this figure being in effect the average cost of the various facilities provided in the building. If the office requirement of say 40% of the total area were contained within a separate building, then the cost of this building as a separate entity, would be about \$24.00 per square foot. On the other hand, the cost of a structure housing the remaining 60%, that in the classroom, laboratory and studio facilities, would be approximately \$38.00 per square foot.

It matters little from a cost point of view how the various facilities are grouped within the building. Each constitutes a part of the total requirement and omission or isolation of an one part renders the whole something short of satisfactory.

Administrative and Contractual Arrangements

Speculative office buildings are generally designed and built by a property developer, whose aim is to make money. Whether the developer employs his own design staff or retains a private firm, operates his own construction company or negotiates with an outside contractor matters little. He retains complete control over planning and construction at all times as indeed he must do if he wishes to remain solvent. The future occupants of the building generally play no part in the design or quality control of the building, but merely lease or purchase space within the building, much in the way they would purchase a car.

The same is true of multiple speculatively built housing units which range in price from approximately \$12.00 to \$20.00 per square foot. If an individual wishes to have a house built to his own design using materials selected by himself or his architect, then he will pay \$25.00 per square foot or more for the privilege. He should however, on completion have a dwelling designed specifically to meet his requirements and free of all the annoying little things he would otherwise have had to put up with in a speculatively built unit.

A university building differs from an office building in much the same way. The planning of an academic building is a time consuming task. All departments to be located in a new building are dealt with individually, their requirements gathered, assessed and converted to square feet of building area. The building is thus very much of a "one-of" product, lesigned and equipped for a variety of highly specialized uses. Obviously, it must be more expensive.

The time lapse between initial planning of an academic building and construction start is normally between thirty-six and forty-eight months. During this period many facets which affect the design of the building can change. Academic staff may relocate, programs alter and new equipment becomes available. Many of these changes can be incorporated in the working drawings and specifications, but in order to keep within a time schedule a "cut-off" date has to be established, beyond which no further changes can be made before calling tenders.

The construction phase of the project may take twenty months or more, from the signing of a contract, to occupation of the building. As in the planning phase and for similar reasons, requests for changes will be made during construction. The owner pays a premium for such changes and must accept as inevitable the delays and increased administrative work which will arise as a direct result of his requests.

Use of Buildings

Office buildings as a rule are occupied from 9:00 a.m. to 5:00 p.m. five days a week, fifty-two weeks a year. Use at other times is minimal.

University buildings are in use from approximately (9:00 a.m.) to 9:00 p.m. five days a week, eight months a year. For the remaining four months, it is reasonable to assume a use factor of six hours per day for two months, allowing for summer courses, conventions, etc. The university building has a use factor approximately 9% higher than that of the office building.

Note:

- No weighting factor has been added to student use hours as opposed to office worker use hours.
- No allowance has been made for library and other areas on the campus which are in use seven days a week.
- 3. No allowance has been made for the greater movement of people in a university building at class changes, etc.
- 4. Equal occupancy has been assumed for both buildings, whereas in actual fact the academic building probably has a higher occupancy than the office building.

In addition to having a higher use factor, an academic building also contains a greater variety of types of space than an office building. As a result, cleaning and maintenance is more complicated and higher in cost. It is, therefore, of great importance during the design stage to select materials and systems which will give the best performance over a period of time, for the lowest outlay on maintenance. Above average initial expenditure can be readily justified by reliability and low maintenance cost.

APPENDIX 5

Construction Trend Analysis

The following quotation from the December 1970 Southam Building Guide indicates that the outlook for business investment appears poor until late 1971. From the investors point of view, this fact may adversely affect the Spring 1971 building trade wage settlements, since contract awards anticipate put-in-place investment by ten to twelve months. Thus, an accelerating recovery in the building industry can be anticipated next year. The traditional consequence of such a recovery is increased construction costs.

Finance Minister E.J. Benson—"He reported that, so far this year, economic growth has slowed significantly from last year; business investment and unemployment has risen more than was expected. Business spending in the first half of this year is 6% below last year and a far cry from the 15% inincrease expected in the Government's capital investment intentions survey. In the first six months the economy had a real growth rate of not quite 2.5% compared with just under 4.5% in the last half of 1969. And an even lower rate is expected in the second half of this year.

Mr. Benson closely linked the rate of wage and salary settlements to corporate profits, and the profit outlook to business capital investment plans. Since profits depend on productivity (which has had a poor performance record this year) and wage costs (for which sizeable increases are built into the system for the next year), then the outlook for business investment appears to be fairly poor until late next year.

The fact that CanaData's contract award statistics have shown improved strength in the last three months (Aug., Sept., Oct.,) substantiates the analysis. Contract awards anticipate put-in-place investment ten to twelve months in advance. On that basis, improved business investment should show up in the last quarter of 1971."

Architectural Services Branch, Revised February 15th, 1971.



OT 34 / New Child Study Centre - 1967

Schoeler Heaton Harvor Menendez, Associated Architects









BINDING SECT. MAR 23 1973

